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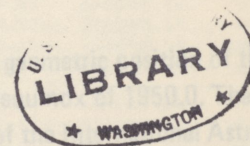
UNITED STATES NAVAL OBSERVATORY

CIRCULAR NO. 140

U. S. Naval Observatory, Washington, D. C. 20390

March 1, 1973

1971-1980



The rectangular geocentric equatorial coordinates in this Circular provide the Moon, in units of the Earth's equatorial radius, referred to the mean equator and equinox of 1950.0. The coordinates represent the lunar ephemeris $J=2$ (specified in the recommendations of the Astronomical Union Commission 4, Prague, 1967) based on Brown's Lunar Theory, and may occasionally differ from a precise numerical integration having the same basis by as much as 0.0001.

Commencing with 1971-1-1, the coordinates were derived by applying precession to 1950.0, removing the effects of nutation in longitude, and introducing for light-time. The reciprocal of the parallax was taken as the distance in earth radii.

RECTANGULAR COORDINATES OF THE MOON

1971-1980

The time argument is Ephemeris Time and, for reduction to Universal Time, reference should be made to page vii of *The American Ephemeris and Nautical Almanac*.

by

Extraction of data to full accuracy from this rectangular ephemeris of the Moon will normally require the use of high order interpolation.

The basis of the coordinates in this Circular differs in several respects from that of Circular 91, *Rectangular Coordinates of the Moon 1952-1977*.

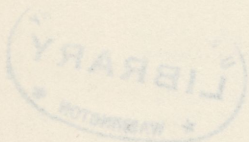
George Kaplan and Joan Bixby Dunham

UNITED STATES NAVAL OBSERVATORY

CIRCULAR NO. 140

March 1, 1953

U. S. Naval Observatory, Washington, D. C. 20390



RECTANGULAR COORDINATES OF THE MOON

1951-1950

by

George Kaplan and Joan Bixby Dunham

RECTANGULAR COORDINATES OF THE MOON 1971-1980

The rectangular geocentric equatorial coordinates in this *Circular* provide the geometric position of the Moon, in units of the Earth's equatorial radius, referred to the mean equator and equinox of 1950.0. These coordinates represent the lunar ephemeris $j=2$ (specified in the recommendations of the International Astronomical Union Commission 4, Prague, 1967) based on Brown's Lunar Theory, and may occasionally differ from a precise numerical integration having the same basis by as much as 0.0001.

Commencing with the apparent longitude, latitude and horizontal parallax at one-quarter day intervals, the coordinates were derived by applying precession to 1950.0, removing the effects of nutation in longitude, and antedating for light-time. The reciprocal of sine parallax was taken as the distance in earth radii.

The time argument is Ephemeris Time and, for reduction to Universal Time, reference should be made to page vii of *The American Ephemeris and Nautical Almanac*.

Extraction of data to full accuracy from this rectangular ephemeris of the Moon will normally require the use of high order interpolation.

The basis of the coordinates in this *Circular* differs in several respects from that of *Circular 91, Rectangular Coordinates of the Moon 1952-1971*.

JANUARY 1971

DAY	X	Y	Z	DAY	X	Y	Z
1.00	48.245324	-28.624212	-12.104079	17.00	-63.261454	5.478220	-1.016167
1.25	50.131629	-25.922543	-10.577246	17.25	-63.373756	2.583278	-2.540932
1.50	51.825258	-23.122962	-9.010511	17.50	-63.305842	-0.317639	-4.057833
1.75	53.320094	-20.236296	-7.409918	17.75	-63.057498	-3.216378	-5.562574
2.00	54.610900	-17.273687	-5.781626	18.00	-62.628923	-6.104755	-7.050869
2.25	55.693339	-14.246539	-4.131875	18.25	-62.020730	-8.974570	-8.518445
2.50	56.563977	-11.166447	-2.466955	18.50	-61.233954	-11.817610	-9.961053
2.75	57.220288	-8.045138	-0.793173	18.75	-60.270053	-14.625664	-11.374466
3.00	57.660648	-4.894415	0.883183	19.00	-59.130911	-17.390528	-12.754492
3.25	57.884326	-1.726096	2.555865	19.25	-57.818849	-20.104019	-14.096971
3.50	57.891473	1.448042	4.218703	19.50	-56.336628	-22.757982	-15.397790
3.75	57.683096	4.616315	5.865623	19.75	-54.687455	-25.344308	-16.652884
4.00	57.261045	7.767182	7.490679	20.00	-52.874995	-27.854938	-17.858244
4.25	56.627979	10.889294	9.088073	20.25	-50.903377	-30.281887	-19.009928
4.50	55.787341	13.971538	10.652176	20.50	-48.777205	-32.617254	-20.104068
4.75	54.743325	17.003078	12.177551	20.75	-46.501563	-34.853240	-21.136879
5.00	53.500846	19.973394	13.658969	21.00	-44.082029	-36.982171	-22.104672
5.25	52.065497	22.872318	15.091427	21.25	-41.524680	-38.996516	-23.003864
5.50	50.443520	25.690066	16.470161	21.50	-38.836103	-40.888914	-23.830992
5.75	48.641765	28.417265	17.790660	21.75	-36.023402	-42.652199	-24.582729
6.00	46.667648	31.044989	19.048682	22.00	-33.094199	-44.279428	-25.255897
6.25	44.529116	33.564771	20.240257	22.25	-30.056644	-45.763915	-25.847485
6.50	42.234601	35.968636	21.361702	22.50	-26.919414	-47.099265	-26.354666
6.75	39.792987	38.249112	22.409625	22.75	-23.691711	-48.279405	-26.774819
7.00	37.213559	40.399252	23.380936	23.00	-20.383257	-49.298633	-27.105546
7.25	34.505970	42.412646	24.272847	23.25	-17.004286	-50.151653	-27.344695
7.50	31.680193	44.283433	25.082877	23.50	-13.565530	-50.833616	-27.490383
7.75	28.746485	46.006312	25.808858	23.75	-10.078200	-51.340172	-27.541013
8.00	25.715342	47.576549	26.448934	24.00	-6.553963	-51.667512	-27.495305
8.25	22.597458	48.989981	27.001559	24.25	-3.004909	-51.812412	-27.352311
8.50	19.403687	50.243022	27.465502	24.50	0.556484	-51.772285	-27.111442
8.75	16.145001	51.332660	27.839839	24.75	4.117397	-51.545221	-26.772485
9.00	12.832448	52.256460	28.123954	25.00	7.664717	-51.130034	-26.335626
9.25	9.477118	53.012556	28.317534	25.25	11.185100	-50.526301	-25.801466
9.50	6.090104	53.599652	28.420564	25.50	14.665031	-49.734397	-25.171038
9.75	2.682462	54.017008	28.433319	25.75	18.090901	-48.755533	-24.445814
10.00	-0.734822	54.264435	28.356360	26.00	21.449080	-47.591773	-23.627723
10.25	-4.150867	54.342283	28.190526	26.25	24.726004	-46.246062	-22.719146
10.50	-7.554929	54.251429	27.936922	26.50	27.908261	-44.722229	-21.722924
10.75	-10.936432	53.993261	27.596914	26.75	30.982679	-43.025000	-20.642350
11.00	-14.285001	53.569665	27.172115	27.00	33.936419	-41.159980	-19.481163
11.25	-17.590483	52.983005	26.664380	27.25	36.757070	-39.133650	-18.243530
11.50	-20.842980	52.236106	26.075787	27.50	39.432737	-36.953330	-16.934032
11.75	-24.032869	51.332237	25.408633	27.75	41.952129	-34.627154	-15.557636
12.00	-27.150823	50.275089	24.665419	28.00	44.304644	-32.164018	-14.119668
12.25	-30.187833	49.068752	23.848835	28.25	46.480444	-29.573534	-12.625785
12.50	-33.135224	47.717701	22.961754	28.50	48.470527	-26.865963	-11.081930
12.75	-35.984673	46.226765	22.007215	28.75	50.266792	-24.052153	-9.494299
13.00	-38.728220	44.601114	20.988415	29.00	51.862081	-21.143462	-7.869298
13.25	-41.358282	42.846233	19.908691	29.25	53.250232	-18.151680	-6.213501
13.50	-43.867662	40.967902	18.771514	29.50	54.426104	-15.088952	-4.533600
13.75	-46.249557	38.972174	17.580475	29.75	55.385598	-11.967690	-2.836368
14.00	-48.497564	36.865354	16.339272	30.00	56.125668	-8.800493	-1.128608
14.25	-50.605688	34.653984	15.051704	30.25	56.644322	-5.600066	0.582887
14.50	-52.568345	32.344815	13.721655	30.50	56.940607	-2.379136	2.291375
14.75	-54.380360	29.944796	12.353089	30.75	57.014595	0.849621	3.990204
15.00	-56.036977	27.461054	10.950037	31.00	56.867353	4.073655	5.672850
15.25	-57.533850	24.900874	9.516590	31.25	56.500907	7.280608	7.332952
15.50	-58.867054	22.271688	8.056889	31.50	55.918206	10.458381	8.964337
15.75	-60.033076	19.581058	6.575120	31.75	55.123073	13.595184	10.561052
16.00	-61.028817	16.836658	5.075502				
16.25	-61.851591	14.046268	3.562286				
16.50	-62.499128	11.217757	2.039742				
16.75	-62.969565	8.359069	0.512159				

RECTANGULAR COORDINATES OF THE MOON 1971-1980

5

FEBRUARY 1971

DAY	X	Y	Z	DAY	X	Y	Z
1.00	54.120156	16.679593	12.117387	15.00	-60.755615	-14.190772	-11.236919
1.25	52.914878	19.700595	13.627894	15.25	-59.681757	-16.968569	-12.627925
1.50	51.513382	22.647623	15.087405	15.50	-58.438007	-19.696430	-13.982117
1.75	49.922475	25.510591	16.491046	15.75	-57.027148	-22.366359	-15.295474
2.00	48.149573	28.279926	17.834249	16.00	-55.452389	-24.970434	-16.564036
2.25	46.202644	30.946587	19.112759	16.25	-53.717364	-27.500818	-17.783917
2.50	44.090160	33.502082	20.322645	16.50	-51.826136	-29.949772	-18.951307
2.75	41.821036	35.938487	21.460297	16.75	-49.783198	-32.309668	-20.062485
3.00	39.404583	38.248454	22.522432	17.00	-47.593475	-34.573003	-21.113820
3.25	36.850457	40.425214	23.506097	17.25	-45.262332	-36.732416	-22.101784
3.50	34.168614	42.462587	24.408663	17.50	-42.795570	-38.780703	-23.022957
3.75	31.369261	44.354979	25.227825	17.75	-40.199434	-40.710831	-23.874042
4.00	28.462816	46.097381	25.961598	18.00	-37.480614	-42.515963	-24.651866
4.25	25.459862	47.685366	26.608317	18.25	-34.646252	-44.189473	-25.353399
4.50	22.371115	49.115085	27.166623	18.50	-31.703938	-45.724972	-25.975763
4.75	19.207382	50.383259	27.635466	18.75	-28.661716	-47.116328	-26.516244
5.00	15.979527	51.487174	28.014095	19.00	-25.528085	-48.357695	-26.972303
5.25	12.698440	52.424668	28.302051	19.25	-22.311993	-49.443537	-27.341598
5.50	9.375000	53.194127	28.499161	19.50	-19.022839	-50.368663	-27.621991
5.75	6.020053	53.794468	28.605531	19.75	-15.670466	-51.128255	-27.811571
6.00	2.644376	54.225135	28.621539	20.00	-12.265151	-51.717904	-27.908666
6.25	-0.741344	54.486082	28.547823	20.25	-8.817598	-52.133647	-27.911866
6.50	-4.126542	54.577763	28.385280	20.50	-5.338916	-52.372000	-27.820039
6.75	-7.500792	54.501120	28.135051	20.75	-1.840606	-52.430003	-27.632351
7.00	-10.853839	54.257568	27.798519	21.00	1.665469	-52.305257	-27.348287
7.25	-14.175614	53.848984	27.377293	21.25	5.167111	-51.995967	-26.967666
7.50	-17.456258	53.277690	26.873206	21.50	8.651823	-51.500982	-26.490667
7.75	-20.686145	52.546440	26.288305	21.75	12.106855	-50.819836	-25.917844
8.00	-23.855896	51.658404	25.624836	22.00	15.519247	-49.952787	-25.250143
8.25	-26.956403	50.617157	24.885244	22.25	18.875890	-48.900856	-24.488919
8.50	-29.978842	49.426657	24.072157	22.50	22.163587	-47.665861	-23.635953
8.75	-32.914690	48.091232	23.188378	22.75	25.369122	-46.250444	-22.693457
9.00	-35.755744	46.615566	22.236876	23.00	28.479335	-44.658099	-21.664088
9.25	-38.494129	45.004675	21.220778	23.25	31.481208	-42.893191	-20.550951
9.50	-41.122317	43.263900	20.143356	23.50	34.361946	-40.960966	-19.357598
9.75	-43.633136	41.398881	19.008019	23.75	37.109072	-38.867552	-18.088025
10.00	-46.019784	39.415543	17.818302	24.00	39.710520	-36.619956	-16.746664
10.25	-48.275834	37.320078	16.577857	24.25	42.154729	-34.226048	-15.338365
10.50	-50.395248	35.118930	15.290443	24.50	44.430738	-31.694531	-13.868381
10.75	-52.372384	32.818771	13.959918	24.75	46.528281	-29.034908	-12.342339
11.00	-54.202002	30.426489	12.590223	25.00	48.437873	-26.257433	-10.766213
11.25	-55.879268	27.949168	11.185381	25.25	50.150896	-23.373051	-9.146282
11.50	-57.399763	25.394072	9.749481	25.50	51.659672	-20.393333	-7.489098
11.75	-58.759485	22.768625	8.286671	25.75	52.957530	-17.330400	-5.801434
12.00	-59.954852	20.080398	6.801150	26.00	54.038865	-14.196837	-4.090245
12.25	-60.982705	17.337088	5.297156	26.25	54.899177	-11.005607	-2.362611
12.50	-61.840309	14.546507	3.778962	26.50	55.535106	-7.769953	-0.625691
12.75	-62.525357	11.716561	2.250863	26.75	55.944451	-4.503305	1.113336
13.00	-63.035965	8.855238	0.717172	27.00	56.126169	-1.219182	2.847312
13.25	-63.370677	5.970594	-0.817792	27.25	56.080376	2.068908	4.569160
13.50	-63.528464	3.070735	-2.349708	27.50	55.808316	5.347557	6.271923
13.75	-63.508720	0.163807	-3.874261	27.75	55.312340	8.603549	7.948819
14.00	-63.311267	-2.742020	-5.387152	28.00	54.595853	11.823945	9.593274
14.25	-62.936350	-5.638565	-6.884099	28.25	53.663269	14.996159	11.198962
14.50	-62.384637	-8.517646	-8.360849	28.50	52.519948	18.108029	12.759841
14.75	-61.657221	-11.371096	-9.813183	28.75	51.172132	21.147878	14.270177

RECTANGULAR COORDINATES OF THE MOON 1971-1980

MARCH 1971

DAY	X	Y	Z	DAY	X	Y	Z
1.00	49.626874	24.104568	15.724571	17.00	-40.650771	-40.928568	-23.904631
1.25	47.891969	26.967546	17.117977	17.25	-37.977784	-42.766421	-24.699634
1.50	45.975870	29.726881	18.445715	17.50	-35.192084	-44.475043	-25.420019
1.75	43.887625	32.373289	19.703484	17.75	-32.301168	-46.048325	-26.063067
2.00	41.636791	34.898157	20.887366	18.00	-29.312923	-47.480435	-26.626226
2.25	39.233372	37.293557	21.993830	18.25	-26.235627	-48.765838	-27.107125
2.50	36.687743	39.552251	23.019731	18.50	-23.077942	-49.899314	-27.503582
2.75	34.010586	41.667694	23.962307	18.75	-19.848903	-50.875981	-27.813617
3.00	31.212828	43.634030	24.819173	19.00	-16.557917	-51.691323	-28.035461
3.25	28.305579	45.446085	25.588312	19.25	-13.214743	-52.341203	-28.167570
3.50	25.300084	47.099358	26.268070	19.50	-9.829492	-52.821902	-28.208637
3.75	22.207667	48.589999	26.857138	19.75	-6.412605	-53.130132	-28.157602
4.00	19.039690	49.914804	27.354550	20.00	-2.974841	-53.263075	-28.013672
4.25	15.807507	51.071188	27.759663	20.25	0.472743	-53.218403	-27.776326
4.50	12.522430	52.057167	28.072149	20.50	3.918810	-52.994313	-27.445337
4.75	9.195694	52.871344	28.291978	20.75	7.351772	-52.589553	-27.020782
5.00	5.838426	53.512879	28.419412	21.00	10.759814	-52.003456	-26.503056
5.25	2.461618	53.981477	28.454985	21.25	14.130934	-51.235969	-25.892887
5.50	-0.923898	54.277363	28.399495	21.50	17.452971	-50.287684	-25.191350
5.75	-4.307471	54.401260	28.253992	21.75	20.713654	-49.159868	-24.399879
6.00	-7.678651	54.354373	28.019764	22.00	23.900646	-47.854489	-23.520277
6.25	-11.027208	54.138369	27.698328	22.25	27.001597	-46.374246	-22.554734
6.50	-14.343146	53.755356	27.291417	22.50	30.004203	-44.722589	-21.505824
6.75	-17.616719	53.207864	26.800971	22.75	32.896269	-42.903743	-20.376520
7.00	-20.838446	52.498833	26.229127	23.00	35.665773	-40.922721	-19.170194
7.25	-23.999119	51.631591	25.578207	23.25	38.300946	-38.785334	-17.890624
7.50	-27.089818	50.609839	24.850712	23.50	40.790342	-36.498198	-16.541982
7.75	-30.101919	49.437634	24.049312	23.75	43.122928	-34.068731	-15.128835
8.00	-33.027110	48.119377	23.176836	24.00	45.288156	-31.505141	-13.656131
8.25	-35.857391	46.659795	22.236263	24.25	47.276053	-28.816407	-12.129184
8.50	-38.585094	45.063926	21.230716	24.50	49.077312	-26.012256	-10.553656
8.75	-41.202882	43.337109	20.163454	24.75	50.683363	-23.103118	-8.935534
9.00	-43.703764	41.484962	19.037861	25.00	52.086467	-20.100086	-7.281092
9.25	-46.081103	39.513377	17.857440	25.25	53.279778	-17.014856	-5.596864
9.50	-48.328620	37.428497	16.625807	25.50	54.257426	-13.859662	-3.889608
9.75	-50.440404	35.236711	15.346678	25.75	55.014568	-10.647204	-2.166254
10.00	-52.410923	32.944631	14.023867	26.00	55.547449	-7.390560	-0.433868
10.25	-54.235024	30.559085	12.661273	26.25	55.853435	-4.103108	1.300408
10.50	-55.907946	28.087097	11.262877	26.50	55.931049	-0.798421	3.029392
10.75	-57.425325	25.535880	9.832728	26.75	55.779984	0.590821	4.745929
11.00	-58.783197	22.912811	8.374941	27.00	55.401107	5.807932	6.442930
11.25	-59.978007	20.225426	6.893686	27.25	54.796451	9.082323	8.113430
11.50	-61.006614	17.481399	5.393179	27.50	53.969187	12.319591	9.750636
11.75	-61.866294	14.688530	3.877674	27.75	52.923594	15.506619	11.347972
12.00	-62.554747	11.854728	2.351458	28.00	51.665007	18.630661	12.899121
12.25	-63.070097	8.987995	0.818838	28.25	50.199761	21.679423	14.398067
12.50	-63.410899	6.096415	-0.715864	28.50	48.535123	24.641136	15.839126
12.75	-63.576139	3.188133	-2.248321	28.75	46.679222	27.504626	17.216980
13.00	-63.565237	0.271340	-3.774209	29.00	44.640962	30.259363	18.526695
13.25	-63.378050	-2.645739	-5.289214	29.25	42.429946	32.895511	19.763742
13.50	-63.014870	-5.554864	-6.789043	29.50	40.056385	35.403963	20.924014
13.75	-62.476427	-8.447794	-8.269430	29.75	37.531012	37.776371	22.003831
14.00	-61.763888	-11.316303	-9.726144	30.00	34.865000	40.005159	22.999943
14.25	-60.878858	-14.152198	-11.154999	30.25	32.069875	42.083535	23.909535
14.50	-59.823377	-16.947331	-12.551860	30.50	29.157439	44.005493	24.730217
14.75	-58.599918	-19.693617	-13.912655	30.75	26.139691	45.765807	25.460019
15.00	-57.211390	-22.383046	-15.233376	31.00	23.028756	47.360016	26.097380
15.25	-55.661132	-25.007704	-16.510095	31.25	19.836824	48.784415	26.641136
15.50	-53.952912	-27.559785	-17.738965	31.50	16.576085	50.036026	27.090503
15.75	-52.090923	-30.031606	-18.916234	31.75	13.258675	51.112579	27.445063
16.00	-50.079785	-32.415623	-20.038248				
16.25	-47.924536	-34.704449	-21.101461				
16.50	-45.630635	-36.890867	-22.102443				
16.75	-43.203952	-38.967848	-23.037891				

RECTANGULAR COORDINATES OF THE MOON 1971-1980

7

APRIL

1971

DAY	X	Y	Z	DAY	X	Y	Z
1.00	9.896630	52.012482	27.704748	16.00	-6.387580	-53.621701	-28.171982
1.25	6.501841	52.734794	27.869818	16.25	-2.969318	-53.796604	-28.047636
1.50	3.086015	53.279195	27.940847	16.50	0.457178	-53.797017	-27.832264
1.75	-0.339353	53.645954	27.918703	16.75	3.880888	-53.621414	-27.525783
2.00	-3.763015	53.835901	27.804531	17.00	7.290613	-53.268801	-27.128398
2.25	-7.173987	53.850395	27.599734	17.25	10.675004	-52.738736	-26.640609
2.50	-10.561575	53.691293	27.305960	17.50	14.022594	-52.031347	-26.063221
2.75	-13.915386	53.360927	26.925083	17.75	17.321829	-51.147354	-25.397350
3.00	-17.225347	52.862071	26.459188	18.00	20.561101	-50.088085	-24.644432
3.25	-20.481714	52.197918	25.910559	18.25	23.728793	-48.855495	-23.806227
3.50	-23.675078	51.372053	25.281662	18.50	26.813312	-47.452178	-22.884829
3.75	-26.796380	50.388434	24.575135	18.75	29.803140	-45.881389	-21.882662
4.00	-29.836907	49.251366	23.793777	19.00	32.686877	-44.147050	-20.802498
4.25	-32.788305	47.965483	22.940534	19.25	35.453291	-42.253764	-19.647442
4.50	-35.642578	46.535728	22.018491	19.50	38.091377	-40.206822	-18.420946
4.75	-38.392092	44.967336	21.030860	19.75	40.590403	-38.012205	-17.126801
5.00	-41.029581	43.265817	19.980977	20.00	42.939981	-35.676586	-15.769134
5.25	-43.548145	41.436939	18.872287	20.25	45.130119	-33.207327	-14.352404
5.50	-45.941253	39.486718	17.708339	20.50	47.151291	-30.612468	-12.881390
5.75	-48.202750	37.421398	16.492778	20.75	48.994497	-27.900714	-11.361181
6.00	-50.326853	35.247443	15.229341	21.00	50.651333	-25.081413	-9.797163
6.25	-52.308159	32.971521	13.921845	21.25	52.114056	-22.164531	-8.194999
6.50	-54.141645	30.600495	12.574186	21.50	53.375648	-19.160619	-6.560605
6.75	-55.822674	28.141408	11.190327	21.75	54.429880	-16.080767	-4.900130
7.00	-57.346996	25.601473	9.774296	22.00	55.271374	-12.936563	-3.219921
7.25	-58.710752	22.988063	8.330178	22.25	55.895655	-9.740035	-1.526499
7.50	-59.910480	20.308696	6.862109	22.50	56.299209	-6.503590	0.173485
7.75	-60.943120	17.571026	5.374267	22.75	56.479520	-3.239945	1.873280
8.00	-61.806016	14.782829	3.870872	23.00	56.435112	0.037947	3.566081
8.25	-62.496920	11.951993	2.356171	23.25	56.165573	3.316972	5.245071
8.50	-63.014002	9.086504	0.834439	23.50	55.671576	6.583944	6.903463
8.75	-63.355850	6.194433	-0.690035	23.75	54.954887	9.825686	8.534545
9.00	-63.521474	3.283923	-2.212951	24.00	54.018362	13.029120	10.131729
9.25	-63.510316	0.363174	-3.730006	24.25	52.865927	16.181354	11.688592
9.50	-63.322250	-2.559569	-5.236903	24.50	51.502564	19.269767	13.198916
9.75	-62.957584	-5.476034	-6.729360	24.75	49.934264	22.282094	14.656738
10.00	-62.417069	-8.377934	-8.203114	25.00	48.167986	25.206504	16.056379
10.25	-61.701900	-11.256987	-9.653936	25.25	46.211599	28.031677	17.392484
10.50	-60.813716	-14.104931	-11.077633	25.50	44.073819	30.746868	18.660051
10.75	-59.754604	-16.913538	-12.470063	25.75	41.764134	33.341971	19.854459
11.00	-58.527100	-19.674639	-13.827138	26.00	39.292730	35.807567	20.971487
11.25	-57.134190	-22.380133	-15.144842	26.25	36.670410	38.134972	22.007336
11.50	-55.579307	-25.022012	-16.419229	26.50	33.908503	40.316266	22.958636
11.75	-53.866333	-27.592377	-17.646444	26.75	31.018785	42.344321	23.822457
12.00	-51.999593	-30.083458	-18.822726	27.00	28.013392	44.212818	24.596310
12.25	-49.983855	-32.487631	-19.944421	27.25	24.904730	45.916255	25.278147
12.50	-47.824326	-34.797443	-21.007987	27.50	21.705403	47.449941	25.866356
12.75	-45.526643	-37.005626	-22.010011	27.75	18.428127	48.809998	26.359749
13.00	-43.096872	-39.105118	-22.947214	28.00	15.085660	49.993339	26.757554
13.25	-40.541497	-41.089086	-23.816462	28.25	11.690735	50.997650	27.059397
13.50	-37.867414	-42.950945	-24.614778	28.50	8.255996	51.821370	27.265288
13.75	-35.081920	-44.684374	-25.339347	28.75	4.793942	52.463656	27.375600
14.00	-32.192707	-46.283343	-25.987532	29.00	1.316877	52.924356	27.391052
14.25	-29.207845	-47.742128	-26.556879	29.25	-2.163135	53.203974	27.312688
14.50	-26.135775	-49.055333	-27.045128	29.50	-5.634310	53.303635	27.141854
14.75	-22.985293	-50.217911	-27.450225	29.75	-9.085173	53.225048	26.880180
15.00	-19.765538	-51.225184	-27.770328	30.00	-12.504587	52.970473	26.529559
15.25	-16.485972	-52.072862	-28.003819	30.25	-15.881779	52.542681	26.092127
15.50	-13.156369	-52.757066	-28.149312	30.50	-19.206354	51.944922	25.570241
15.75	-9.786793	-53.274345	-28.205663	30.75	-22.468310	51.180892	24.966466

MAY

1971

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-25.658051	50.254697	24.283553	17.00	41.013949	-38.458309	-17.037047
1.25	-28.766393	49.170826	23.524422	17.25	43.373978	-36.173388	-15.706755
1.50	-31.784567	47.934121	22.692153	17.50	45.576815	-33.757908	-14.319776
1.75	-34.704227	46.549749	21.789964	17.75	47.613539	-31.219697	-12.880738
2.00	-37.517446	45.023176	20.821202	18.00	49.475751	-28.567154	-11.394532
2.25	-40.216718	43.360149	19.789332	18.25	51.155619	-25.809226	-9.866289
2.50	-42.794959	41.566666	18.697920	18.50	52.645933	-22.955381	-8.301370
2.75	-45.245499	39.648965	17.550632	18.75	53.940145	-20.015578	-6.705343
3.00	-47.562086	37.613498	16.351215	19.00	55.032419	-17.000239	-5.083965
3.25	-49.738879	35.466921	15.103496	19.25	55.917673	-13.920202	-3.443157
3.50	-51.770448	33.216075	13.811370	19.50	56.591619	-10.786866	-1.788983
3.75	-53.651769	30.867973	12.478795	19.75	57.050805	-7.611242	-0.127622
4.00	-55.378224	28.429788	11.109785	20.00	57.292645	-4.405702	1.534662
4.25	-56.945600	25.908838	9.708402	20.25	57.315452	-1.182123	3.191551
4.50	-58.350084	23.312580	8.278754	20.50	57.118459	2.047265	4.836698
4.75	-59.588266	20.648595	6.824985	20.75	56.701848	5.270128	6.463767
5.00	-60.657140	17.924579	5.351273	21.00	56.066752	8.474090	8.066466
5.25	-61.554099	15.148333	3.861824	21.25	55.215269	11.646797	9.638579
5.50	-62.276945	12.327756	2.360866	21.50	54.150462	14.775989	11.174004
5.75	-62.823884	9.470832	0.852644	21.75	52.876346	17.849569	12.666784
6.00	-63.193532	6.585618	-0.658583	22.00	51.397877	20.855672	14.111151
6.25	-63.384917	3.680242	-2.168553	22.25	49.720926	23.782734	15.501549
6.50	-63.397486	0.762884	-3.673000	22.50	47.852248	26.619559	16.832674
6.75	-63.231104	-2.158231	-5.167665	22.75	45.799444	29.355386	18.099502
7.00	-62.886063	-5.074847	-6.648302	23.00	43.570913	31.979949	19.297318
7.25	-62.363086	-7.978685	-8.110682	23.25	41.175801	34.483532	20.421740
7.50	-61.663329	-10.861461	-9.550602	23.50	38.623938	36.857027	21.468746
7.75	-60.788390	-13.714901	-10.963893	23.75	35.925777	39.091972	22.434689
8.00	-59.740308	-16.530749	-12.346427	24.00	33.092324	41.180600	23.316318
8.25	-58.521576	-19.300791	-13.694128	24.25	30.135064	43.115865	24.110783
8.50	-57.135135	-22.016866	-15.002976	24.50	27.065891	44.891474	24.815651
8.75	-55.584383	-24.670889	-16.269024	24.75	23.897026	46.501899	25.428906
9.00	-53.873177	-27.254867	-17.488399	25.00	20.640947	47.942397	25.948951
9.25	-52.005833	-29.760919	-18.657320	25.25	17.310308	49.209007	26.374605
9.50	-49.987127	-32.181297	-19.772107	25.50	13.917871	50.298556	26.705100
9.75	-47.822294	-34.508409	-20.829188	25.75	10.476434	51.208642	26.940068
10.00	-45.517024	-36.734840	-21.825115	26.00	6.998763	51.937626	27.079530
10.25	-43.077462	-38.853378	-22.756575	26.25	3.497529	52.484613	27.123885
10.50	-40.510200	-40.857032	-23.620400	26.50	-0.014748	52.849424	27.073890
10.75	-37.822268	-42.739063	-24.413582	26.75	-3.525754	53.032572	26.930645
11.00	-35.021130	-44.493006	-25.133281	27.00	-7.023428	53.035230	26.695572
11.25	-32.114668	-46.112691	-25.776841	27.25	-10.496007	52.859197	26.370395
11.50	-29.111173	-47.592275	-26.341800	27.50	-13.932059	52.506867	25.957123
11.75	-26.019327	-48.926261	-26.825902	27.75	-17.320518	51.981187	25.458026
12.00	-22.848188	-50.109528	-27.227109	28.00	-20.650709	51.285627	24.875614
12.25	-19.607171	-51.137348	-27.543614	28.25	-23.912371	50.424136	24.212617
12.50	-16.306027	-52.005418	-27.773846	28.50	-27.095677	49.401116	23.471970
12.75	-12.954817	-52.709878	-27.916489	28.75	-30.191242	48.221376	22.656787
13.00	-9.563894	-53.247335	-27.970483	29.00	-33.190138	46.890107	21.770346
13.25	-6.143869	-53.614883	-27.935040	29.25	-36.083899	45.412845	20.816074
13.50	-2.705586	-53.810126	-27.809650	29.50	-38.864523	43.795438	19.797528
13.75	0.739910	-53.831196	-27.594089	29.75	-41.524476	42.044025	18.718378
14.00	4.181403	-53.676771	-27.288424	30.00	-44.056688	40.165001	17.582400
14.25	7.607544	-53.346091	-26.893024	30.25	-46.454556	38.164996	16.393455
14.50	11.006880	-52.838973	-26.408561	30.50	-48.711934	36.050849	15.155485
14.75	14.367901	-52.155827	-25.836016	30.75	-50.823133	33.829589	13.872495
15.00	17.679067	-51.297665	-25.176685	31.00	-52.782914	31.508417	12.548549
15.25	20.928859	-50.266111	-24.432175	31.25	-54.586484	29.094684	11.187758
15.50	24.105810	-49.063413	-23.604413	31.50	-56.229486	26.595877	9.794273
15.75	27.198555	-47.692443	-22.695641	31.75	-57.708000	24.019603	8.372278
16.00	30.195872	-46.156707	-21.708416				
16.25	33.086727	-44.460341	-20.645611				
16.50	35.860317	-42.608116	-19.510406				
16.75	38.506122	-40.605431	-18.306289				

JUNE 1971

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-59.018534	21.373580	6.925982	16.00	57.489924	-7.608721	0.157416
1.25	-60.158020	18.665621	5.459616	16.25	57.765836	-4.433923	1.802013
1.50	-61.123807	15.903621	3.977425	16.50	57.825598	-1.242416	3.439917
1.75	-61.913665	13.095552	2.483662	16.75	57.668750	1.954024	5.065054
2.00	-62.525774	10.249451	0.982588	17.00	57.295701	5.143576	6.671388
2.25	-62.958728	7.373408	-0.521539	17.25	56.707730	8.314426	8.252949
2.50	-63.211532	4.475564	-2.024464	17.50	55.906983	11.454825	9.803862
2.75	-63.283601	1.564093	-3.521941	17.75	54.896468	14.553140	11.318371
3.00	-63.174765	-1.352796	-5.009738	18.00	53.680042	17.597908	12.790869
3.25	-62.885265	-4.266877	-6.483641	18.25	52.262392	20.577893	14.215924
3.50	-62.415760	-7.169913	-7.939460	18.50	50.649021	23.482133	15.588302
3.75	-61.767329	-10.053662	-9.373032	18.75	48.846216	26.300001	16.902997
4.00	-60.941473	-12.909893	-10.780229	19.00	46.861017	29.021245	18.155250
4.25	-59.940123	-15.730396	-12.156964	19.25	44.701188	31.636044	19.340573
4.50	-58.765642	-18.506991	-13.499196	19.50	42.375170	34.135050	20.454769
4.75	-57.420830	-21.231544	-14.802938	19.75	39.892042	36.509431	21.493952
5.00	-55.908932	-23.895979	-16.064265	20.00	37.261471	38.750913	22.454564
5.25	-54.233639	-26.492300	-17.279324	20.25	34.493661	40.851814	23.333388
5.50	-52.399097	-29.012597	-18.444338	20.50	31.599301	42.805075	24.127563
5.75	-50.409908	-31.449074	-19.555622	20.75	28.589504	44.604291	24.834593
6.00	-48.271134	-33.794065	-20.609588	21.00	25.475752	46.243730	25.452353
6.25	-45.988301	-36.040055	-21.602761	21.25	22.269832	47.718357	25.979098
6.50	-43.567399	-38.179702	-22.531786	21.50	18.983777	49.023840	26.413462
6.75	-41.014882	-40.205863	-23.393444	21.75	15.629802	50.156565	26.754460
7.00	-38.337667	-42.111618	-24.184662	22.00	12.220246	51.113636	27.001483
7.25	-35.543128	-43.890296	-24.902530	22.25	8.767507	51.892876	27.154298
7.50	-32.639094	-45.535505	-25.544310	22.50	5.283986	52.492816	27.213033
7.75	-29.633835	-47.041158	-26.107454	22.75	1.782029	52.912692	27.178176
8.00	-26.536058	-48.401501	-26.589617	23.00	-1.726128	53.152424	27.050558
8.25	-23.354884	-49.611148	-26.988670	23.25	-5.228408	53.212600	26.831339
8.50	-20.099841	-50.665106	-27.302715	23.50	-8.712944	53.094453	26.521999
8.75	-16.780837	-51.558807	-27.530101	23.75	-12.168121	52.799838	26.124317
9.00	-13.408140	-52.288137	-27.669435	24.00	-15.582620	52.331204	25.640357
9.25	-9.992350	-52.849467	-27.719596	24.25	-18.945449	51.691560	25.072447
9.50	-6.544371	-53.239678	-27.679747	24.50	-22.245979	50.884451	24.423163
9.75	-3.075379	-53.456190	-27.549347	24.75	-25.473974	49.913920	23.695311
10.00	0.403217	-53.496987	-27.328161	25.00	-28.619609	48.784479	22.891907
10.25	3.879810	-53.360640	-27.016270	25.25	-31.673493	47.501070	22.016158
10.50	7.342642	-53.046328	-26.614079	25.50	-34.626688	46.069040	21.071445
10.75	10.779841	-52.553857	-26.122320	25.75	-37.470720	44.494100	20.061306
11.00	14.179473	-51.883674	-25.542062	26.00	-40.197585	42.782300	18.989415
11.25	17.529587	-51.036883	-24.874711	26.25	-42.799760	40.939990	17.859570
11.50	20.818269	-50.015252	-24.122012	26.50	-45.270207	38.973799	16.675677
11.75	24.033688	-48.821219	-23.286047	26.75	-47.602371	36.890599	15.441730
12.00	27.164152	-47.457895	-22.369236	27.00	-49.790181	34.697485	14.161805
12.25	30.198162	-45.929064	-21.374330	27.25	-51.828047	32.401743	12.840042
12.50	33.124460	-44.239177	-20.304404	27.50	-53.710860	30.010831	11.480634
12.75	35.932086	-42.393340	-19.162851	27.75	-55.433981	27.532356	10.087818
13.00	38.610430	-40.397309	-17.953373	28.00	-56.993241	24.974054	8.665863
13.25	41.149279	-38.257468	-16.679963	28.25	-58.384929	22.343769	7.219060
13.50	43.538873	-35.980811	-15.346900	28.50	-59.605791	19.649441	5.751719
13.75	45.769948	-33.574919	-13.958726	28.75	-60.653020	16.899087	4.268154
14.00	47.833787	-31.047935	-12.520234	29.00	-61.524252	14.100785	2.772683
14.25	49.722258	-28.408532	-11.036448	29.25	-62.217554	11.262666	1.269618
14.50	51.427863	-25.665882	-9.512603	29.50	-62.731426	8.392901	-0.236742
14.75	52.943771	-22.829619	-7.954125	29.75	-63.064791	5.499687	-1.742111
15.00	54.263856	-19.909803	-6.366608	30.00	-63.216993	2.591241	-3.242224
15.25	55.382733	-16.916878	-4.755791	30.25	-63.187789	-0.324212	-4.732845
15.50	56.295784	-13.861628	-3.127532	30.50	-62.977353	-3.238447	-6.209762
15.75	56.999183	-10.755133	-1.487788	30.75	-62.586266	-6.143246	-7.668803

JULY

1971

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-62.015525	-9.030409	-9.105828	17.00	40.158266	36.747749	21.772249
1.25	-61.266532	-11.891761	-10.516746	17.25	37.574554	38.985107	22.728027
1.50	-60.341104	-14.719159	-11.897508	17.50	34.855024	41.083282	23.602489
1.75	-59.241470	-17.504506	-13.244120	17.75	32.010020	43.035586	24.392967
2.00	-57.970273	-20.239754	-14.552645	18.00	29.050249	44.835940	25.097130
2.25	-56.530577	-22.916921	-15.819206	18.25	25.986737	46.478891	25.712992
2.50	-54.925868	-25.528096	-17.039998	18.50	22.830776	47.959624	26.238915
2.75	-53.160061	-28.065455	-18.211290	18.75	19.593874	49.273967	26.673606
3.00	-51.237499	-30.521275	-19.329433	19.00	16.287708	50.418402	27.016119
3.25	-49.162964	-32.887947	-20.390870	19.25	12.924072	51.390063	27.265851
3.50	-46.941679	-35.157992	-21.392143	19.50	9.514832	52.186737	27.422542
3.75	-44.579314	-37.324080	-22.329903	19.75	6.071873	52.806860	27.486265
4.00	-42.081987	-39.379050	-23.200921	20.00	2.607061	53.249513	27.457419
4.25	-39.456268	-41.315931	-24.002096	20.25	-0.867813	53.514410	27.336728
4.50	-36.709184	-43.127964	-24.730473	20.50	-4.341065	53.601885	27.125222
4.75	-33.848214	-44.808626	-25.383249	20.75	-7.801172	53.512883	26.824235
5.00	-30.881293	-46.351662	-25.957791	21.00	-11.236799	53.248938	26.435386
5.25	-27.816806	-47.751106	-26.451652	21.25	-14.636847	52.812154	25.960574
5.50	-24.663579	-49.001315	-26.862577	21.50	-17.990483	52.205188	25.401958
5.75	-21.430878	-50.097003	-27.188531	21.75	-21.287174	51.431223	24.761946
6.00	-18.128389	-51.033265	-27.427704	22.00	-24.516714	50.493946	24.043182
6.25	-14.766207	-51.805620	-27.578531	22.25	-27.669259	49.397522	23.248526
6.50	-11.354816	-52.410038	-27.639711	22.50	-30.735341	48.146567	22.381043
6.75	-7.905064	-52.842978	-27.610218	22.75	-33.705899	46.746118	21.443985
7.00	-4.428140	-53.101422	-27.489320	23.00	-36.572291	45.201610	20.440776
7.25	-0.935537	-53.182906	-27.276592	23.25	-39.326314	43.518843	19.374994
7.50	2.560984	-53.085555	-26.971931	23.50	-41.960216	41.703956	18.250361
7.75	6.049428	-52.808113	-26.575568	23.75	-44.466706	39.763398	17.070720
8.00	9.517622	-52.349972	-26.088079	24.00	-46.838964	37.703898	15.840027
8.25	12.953255	-51.711197	-25.510397	24.25	-49.070646	35.532442	14.562332
8.50	16.343936	-50.892550	-24.843817	24.50	-51.155886	33.256243	13.241766
8.75	19.677252	-49.895508	-24.090003	24.75	-53.089301	30.882715	11.882530
9.00	22.940823	-48.722275	-23.250990	25.00	-54.865989	28.419452	10.488879
9.25	26.122373	-47.375798	-22.329186	25.25	-56.481528	25.874200	9.065113
9.50	29.209785	-45.859764	-21.327368	25.50	-57.931973	23.254836	7.615564
9.75	32.191176	-44.178605	-20.248674	25.75	-59.213852	20.569350	6.144584
10.00	35.054956	-42.337486	-19.096603	26.00	-60.324161	17.825820	4.656538
10.25	37.789899	-40.342300	-17.874996	26.25	-61.260357	15.032398	3.155796
10.50	40.385209	-38.199641	-16.588023	26.50	-62.020357	12.197288	1.646719
10.75	42.830579	-35.916785	-15.240171	26.75	-62.602524	9.328735	0.133656
11.00	45.116255	-33.501662	-13.836217	27.00	-63.005666	6.435008	-1.379064
11.25	47.233092	-30.962816	-12.381212	27.25	-63.229028	3.524385	-2.887138
11.50	49.172611	-28.309369	-10.880454	27.50	-63.272284	0.605143	-4.386300
11.75	50.927042	-25.550975	-9.339460	27.75	-63.135533	-2.314456	-5.872319
12.00	52.489373	-22.697773	-7.763943	28.00	-62.819295	-5.226175	-7.341008
12.25	53.853389	-19.760334	-6.159778	28.25	-62.324501	-8.121812	-8.788231
12.50	55.013698	-16.749608	-4.532974	28.50	-61.652493	-10.993211	-10.209904
12.75	55.965769	-13.676866	-2.889641	28.75	-60.805019	-13.832268	-11.601999
13.00	56.705940	-10.553642	-1.235963	29.00	-59.784231	-16.630944	-12.960555
13.25	57.231446	-7.391676	0.421840	29.25	-58.592682	-19.381271	-14.281674
13.50	57.540416	-4.202853	2.077538	29.50	-57.233324	-22.075363	-15.561530
13.75	57.631886	-0.999140	3.724922	29.75	-55.709511	-24.705424	-16.796375
14.00	57.505790	2.207466	5.357838	30.00	-54.024995	-27.263757	-17.982538
14.25	57.162955	5.405002	6.970212	30.25	-52.183932	-29.742776	-19.116438
14.50	56.605090	8.581590	8.556080	30.50	-50.190878	-32.135015	-20.194584
14.75	55.834764	11.725498	10.109613	30.75	-48.050798	-34.433140	-21.213582
15.00	54.855389	14.825186	11.625147	31.00	-45.769064	-36.629963	-22.170147
15.25	53.671192	17.869360	13.097199	31.25	-43.351457	-38.718456	-23.061102
15.50	52.287186	20.847020	14.520498	31.50	-40.804178	-40.691763	-23.883393
15.75	50.709139	23.747501	15.889998	31.75	-38.133840	-42.543222	-24.634093
16.00	48.943537	26.560521	17.200904				
16.25	46.997547	29.276216	18.448684				
16.50	44.878975	31.885178	19.629088				
16.75	42.596229	34.378489	20.738159				

AUGUST 1971

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-35.347480	-44.266380	-25.310417	17.00	-7.792487	53.808145	26.996707
1.25	-32.452556	-45.855016	-25.909728	17.25	-11.198620	53.559229	26.616256
1.50	-29.456949	-47.303160	-26.429550	17.50	-14.570426	53.138209	26.150193
1.75	-26.368964	-48.605118	-26.867580	17.75	-17.897417	52.547701	25.600642
2.00	-23.197327	-49.755502	-27.221703	18.00	-21.169387	51.790813	24.969956
2.25	-19.951181	-50.749252	-27.490006	18.25	-24.376434	50.871122	24.260705
2.50	-16.640081	-51.581668	-27.670786	18.50	-27.508981	49.792655	23.475666
2.75	-13.273985	-52.248444	-27.762578	18.75	-30.557803	48.559866	22.617811
3.00	-9.863240	-52.745698	-27.764157	19.00	-33.514037	47.177615	21.690288
3.25	-6.418567	-53.070007	-27.674568	19.25	-36.369207	45.651144	20.696416
3.50	-2.951042	-53.218442	-27.493131	19.50	-39.115233	43.986059	19.639669
3.75	0.527931	-53.188608	-27.219464	19.75	-41.744451	42.188298	18.523660
4.00	4.006646	-52.978673	-26.853501	20.00	-44.249621	40.264116	17.352134
4.25	7.473134	-52.587410	-26.395500	20.25	-46.623939	38.220059	16.128950
4.50	10.915198	-52.014232	-25.846068	20.50	-48.861045	36.062938	14.858072
4.75	14.320462	-51.259219	-25.206166	20.75	-50.955034	33.799808	13.543554
5.00	17.676419	-50.323159	-24.477127	21.00	-52.900457	31.437947	12.189529
5.25	20.970491	-49.207567	-23.660662	21.25	-54.692328	28.984827	10.800196
5.50	24.190085	-47.914713	-22.758874	21.50	-56.326127	26.448098	9.379811
5.75	27.322664	-46.447646	-21.774255	21.75	-57.797800	23.835564	7.932671
6.00	30.355814	-44.810200	-20.709694	22.00	-59.103763	21.155157	6.463107
6.25	33.277320	-43.007008	-19.568475	22.25	-60.240896	18.414925	4.975471
6.50	36.075243	-41.043503	-18.354271	22.50	-61.206546	15.623003	3.474129
6.75	38.737994	-38.925910	-17.071134	22.75	-61.998519	12.787599	1.963445
7.00	41.254419	-36.661235	-15.723485	23.00	-62.615083	9.916974	0.447780
7.25	43.613873	-34.257243	-14.316097	23.25	-63.054957	7.019425	-1.068524
7.50	45.806300	-31.722429	-12.854070	23.50	-63.317309	4.103265	-2.581148
7.75	47.822304	-29.065980	-11.342813	23.75	-63.401752	1.176810	-4.085807
8.00	49.653218	-26.297732	-9.788013	24.00	-63.308334	-1.751636	-5.578252
8.25	51.291174	-23.428115	-8.195601	24.25	-63.037536	-4.673798	-7.054284
8.50	52.729152	-20.468099	-6.571722	24.50	-62.590265	-7.581442	-8.509755
8.75	53.961038	-17.429126	-4.922695	24.75	-61.967847	-10.466388	-9.940578
9.00	54.981660	-14.323043	-3.254978	25.00	-61.172019	-13.320523	-11.342731
9.25	55.786827	-11.162029	-1.575125	25.25	-60.204929	-16.135812	-12.712259
9.50	56.373348	-7.958518	0.110253	25.50	-59.069125	-18.904308	-14.045289
9.75	56.739049	-4.725127	1.794530	25.75	-57.767553	-21.618166	-15.338023
10.00	56.882779	-1.474572	3.471100	26.00	-56.303551	-24.269652	-16.586754
10.25	56.804406	1.780405	5.133424	26.25	-54.680846	-26.851150	-17.787864
10.50	56.504806	5.027112	6.775062	26.50	-52.903549	-29.355177	-18.937830
10.75	55.985839	8.252977	8.389709	26.75	-50.976155	-31.774392	-20.033231
11.00	55.250327	11.445621	9.971231	27.00	-48.903536	-34.101603	-21.070752
11.25	54.302015	14.592923	11.513694	27.25	-46.690943	-36.329783	-22.047189
11.50	53.145533	17.683077	13.011391	27.50	-44.344001	-38.452077	-22.959457
11.75	51.786352	20.704648	14.458870	27.75	-41.868711	-40.461815	-23.804589
12.00	50.230733	23.646629	15.850956	28.00	-39.271449	-42.352527	-24.579754
12.25	48.485679	26.498474	17.182764	28.25	-36.558964	-44.117953	-25.282251
12.50	46.558875	29.250150	18.449726	28.50	-33.738378	-45.752058	-25.909528
12.75	44.458637	31.892163	19.647595	28.75	-30.817186	-47.249053	-26.459180
13.00	42.193853	34.415589	20.772460	29.00	-27.803255	-48.603403	-26.928966
13.25	39.773929	36.812099	21.820752	29.25	-24.704824	-49.809855	-27.316813
13.50	37.208726	39.073978	22.789252	29.50	-21.530500	-50.863453	-27.620828
13.75	34.508513	41.194141	23.675094	29.75	-18.289256	-51.759559	-27.839310
14.00	31.683905	43.166141	24.475765	30.00	-14.990427	-52.493882	-27.970760
14.25	28.745814	44.984178	25.189107	30.25	-11.643702	-53.062497	-28.013894
14.50	25.705395	46.643105	25.813310	30.50	-8.259121	-53.461877	-27.967657
14.75	22.573997	48.138423	26.346918	30.75	-4.847055	-53.688918	-27.831235
15.00	19.363115	49.466287	26.788814	31.00	-1.418204	-53.740972	-27.604072
15.25	16.084343	50.623493	27.138223	31.25	2.016431	-53.615879	-27.285883
15.50	12.749333	51.607479	27.394697	31.50	5.445561	-53.311997	-26.876670
15.75	9.369748	52.416311	27.558117	31.75	8.857637	-52.828236	-26.376738
16.00	5.957226	53.048674	27.628676				
16.25	2.523340	53.503864	27.606874				
16.50	-0.920438	53.781766	27.493510				
16.75	-4.362770	53.882850	27.289667				

SEPTEMBER 1971

DAY	X	Y	Z	DAY	X	Y	Z
1.00	12.240881	-52.164096	-25.786706	16.00	-41.910534	42.285872	18.508316
1.25	15.583317	-51.319697	-25.107529	16.25	-44.403638	40.375010	17.350173
1.50	18.872817	-50.295813	-24.340506	16.50	-46.766535	38.343613	16.140234
1.75	22.097138	-49.093905	-23.487296	16.75	-48.993054	36.198418	14.882396
2.00	25.243983	-47.716152	-22.549927	17.00	-51.077453	33.946392	13.580644
2.25	28.301051	-46.165477	-21.530810	17.25	-53.014427	31.594714	12.239035
2.50	31.256102	-44.445571	-20.432743	17.50	-54.799108	29.150757	10.861693
2.75	34.097029	-42.560911	-19.258915	17.75	-56.427072	26.622067	9.452799
3.00	36.811925	-40.516778	-18.012912	18.00	-57.894338	24.016350	8.016578
3.25	39.389168	-38.319259	-16.698710	18.25	-59.197377	21.341445	6.557293
3.50	41.817495	-35.975251	-15.320671	18.50	-60.333104	18.605315	5.079233
3.75	44.086090	-33.492450	-13.883535	18.75	-61.298887	15.816022	3.586705
4.00	46.184671	-30.879340	-12.392401	19.00	-62.092543	12.981712	2.084026
4.25	48.103567	-28.145160	-10.852711	19.25	-62.712338	10.110599	0.575511
4.50	49.833813	-25.299874	-9.270225	19.50	-63.156988	7.210946	-0.934533
4.75	51.367220	-22.354128	-7.650990	19.75	-63.425652	4.291045	-2.441817
5.00	52.696457	-19.319188	-6.001313	20.00	-63.517937	1.359206	-3.942076
5.25	53.815116	-16.206889	-4.327715	20.25	-63.433888	-1.576265	-5.431082
5.50	54.717780	-13.029555	-2.636898	20.50	-63.173988	-4.507076	-6.904648
5.75	55.400067	-9.799925	-0.935698	20.75	-62.739152	-7.424974	-8.358637
6.00	55.858677	-6.531067	0.768963	21.00	-62.130725	-10.321750	-9.788969
6.25	56.091423	-3.236291	2.470118	21.25	-61.350475	-13.189262	-11.191629
6.50	56.097247	0.070941	4.160814	21.50	-60.400588	-16.019445	-12.562675
6.75	55.876227	3.377114	5.834147	21.75	-59.283660	-18.804329	-13.898241
7.00	55.429574	6.668750	7.483323	22.00	-58.002696	-21.536048	-15.194548
7.25	54.759608	9.932497	9.101690	22.25	-56.561101	-24.206859	-16.447909
7.50	53.869737	13.155224	10.682795	22.50	-54.962672	-26.809151	-17.654734
7.75	52.764409	16.324098	12.220410	22.75	-53.211595	-29.335459	-18.811537
8.00	51.449071	19.426670	13.708582	23.00	-51.312439	-31.778477	-19.914943
8.25	49.930106	22.450941	15.141653	23.25	-49.270143	-34.131073	-20.961691
8.50	48.214771	25.385428	16.514299	23.50	-47.090021	-36.386294	-21.948642
8.75	46.311129	28.219220	17.821544	23.75	-44.777745	-38.537385	-22.872785
9.00	44.227973	30.942030	19.058789	24.00	-42.339346	-40.577800	-23.731242
9.25	41.974758	33.544228	20.221817	24.25	-39.781204	-42.501212	-24.521272
9.50	39.561513	36.016880	21.306812	24.50	-37.110045	-44.301526	-25.240279
9.75	36.998774	38.351766	22.310360	24.75	-34.332935	-45.972894	-25.885819
10.00	34.297507	40.541402	23.229453	25.00	-31.457271	-47.509725	-26.455604
10.25	31.469030	42.579044	24.061492	25.25	-28.490779	-48.906701	-26.947508
10.50	28.524947	44.458698	24.804278	25.50	-25.444509	-50.158791	-27.359578
10.75	25.477081	46.175112	25.456010	25.75	-22.317823	-51.261266	-27.690035
11.00	22.337407	47.723771	26.015276	26.00	-19.128396	-52.209714	-27.937288
11.25	19.117996	49.100889	26.481041	26.25	-15.882203	-53.000056	-28.099936
11.50	15.830959	50.303391	26.852638	26.50	-12.588516	-53.628569	-28.176782
11.75	12.488395	51.328895	27.129754	26.75	-9.256893	-54.091898	-28.166837
12.00	9.102347	52.175697	27.312414	27.00	-5.897167	-54.387081	-28.069334
12.25	5.684755	52.842742	27.400974	27.25	-2.519440	-54.511568	-27.883733
12.50	2.247424	53.329609	27.396098	27.50	0.865937	-54.463243	-27.609735
12.75	-1.198017	53.636484	27.298748	27.75	4.248372	-54.240451	-27.247293
13.00	-4.640143	53.764134	27.110170	28.00	7.617055	-53.842018	-26.796621
13.25	-8.067761	53.713885	26.831875	28.25	10.960972	-53.267280	-26.258206
13.50	-11.469939	53.487598	26.465631	28.50	14.268935	-52.516108	-25.632820
13.75	-14.836021	53.087640	26.013441	28.75	17.529603	-51.588935	-24.921533
14.00	-18.155657	52.516869	25.477537	29.00	20.731515	-50.486782	-24.125721
14.25	-21.418813	51.778599	24.860361	29.25	23.863126	-49.211288	-23.247081
14.50	-24.615793	50.876587	24.164555	29.50	26.912841	-47.764733	-22.287638
14.75	-27.737248	49.815004	23.392946	29.75	29.869066	-46.150065	-21.249758
15.00	-30.774193	48.598415	22.548535	30.00	32.720249	-44.370924	-20.136151
15.25	-33.718021	47.231757	21.634485	30.25	35.454941	-42.431662	-18.949884
15.50	-36.560505	45.720317	20.654109	30.50	38.061850	-40.337359	-17.694381
15.75	-39.293818	44.069713	19.610860	30.75	40.529910	-38.093844	-16.373429

OCTOBER 1971

DAY	X	Y	Z	DAY	X	Y	Z
1.00	42.848343	-35.707695	-14.991172	17.00	-63.453746	4.309142	-2.485175
1.25	45.006735	-33.186250	-13.552113	17.25	-63.543815	1.378329	-3.971808
1.50	46.995115	-30.537600	-12.061106	17.50	-63.457249	-1.557563	-5.447724
1.75	48.804030	-27.770579	-10.523338	17.75	-63.194572	-4.490271	-6.908782
2.00	50.424627	-24.894747	-8.944326	18.00	-62.756736	-7.411558	-8.350889
2.25	51.848734	-21.920363	-7.329885	18.25	-62.145117	-10.313223	-9.770003
2.50	53.068940	-18.858344	-5.686110	18.50	-61.361521	-13.187120	-11.162141
2.75	54.078676	-15.720226	-4.019345	18.75	-60.408170	-16.025168	-12.523388
3.00	54.872283	-12.518104	-2.336152	19.00	-59.287709	-18.819373	-13.849903
3.25	55.445083	-9.264569	-0.643269	19.25	-58.003195	-21.561839	-15.137927
3.50	55.793440	-5.972633	1.052430	19.50	-56.558097	-24.244783	-16.383793
3.75	55.914812	-2.655650	2.743979	19.75	-54.956290	-26.860555	-17.583929
4.00	55.807786	0.672775	4.424369	20.00	-53.202048	-29.401647	-18.734867
4.25	55.472114	3.998878	6.086597	20.25	-51.300040	-31.860716	-19.833253
4.50	54.908728	7.308835	7.723720	20.50	-49.255324	-34.230592	-20.875850
4.75	54.119739	10.588863	9.328901	20.75	-47.073337	-36.504299	-21.859550
5.00	53.108430	13.825318	10.895463	21.00	-44.759888	-38.675067	-22.781377
5.25	51.879230	17.004799	12.416938	21.25	-42.321153	-40.736352	-23.638467
5.50	50.437678	20.114241	13.887111	21.50	-39.763660	-42.681843	-24.428222
5.75	48.790370	23.141004	15.300062	21.75	-37.094287	-44.505485	-25.148020
6.00	46.944902	26.072967	16.650210	22.00	-34.320245	-46.201489	-25.795520
6.25	44.909797	28.898592	17.932338	22.25	-31.449072	-47.764350	-26.368519
6.50	42.694428	31.607007	19.141630	22.50	-28.488621	-49.188858	-26.864987
6.75	40.308930	34.188048	20.273689	22.75	-25.447049	-50.470117	-27.283078
7.00	37.764114	36.632321	21.324558	23.00	-22.332803	-51.603556	-27.621130
7.25	35.071374	38.931234	22.290730	23.25	-19.154610	-52.584947	-27.877678
7.50	32.242592	41.077023	23.169155	23.50	-15.921464	-53.410416	-28.051456
7.75	29.290048	43.062773	23.957245	23.75	-12.642609	-54.076459	-28.141404
8.00	26.226329	44.882423	24.652867	24.00	-9.327532	-54.579962	-28.146677
8.25	23.064243	46.530769	25.254342	24.25	-5.985941	-54.918208	-28.066647
8.50	19.816735	48.003454	25.760427	24.50	-2.627753	-55.088898	-27.900915
8.75	16.496812	49.296953	26.170311	24.75	0.736925	-55.090164	-27.649312
9.00	13.117472	50.408552	26.483590	25.00	4.097809	-54.920588	-27.311911
9.25	9.691637	51.336325	26.700256	25.25	7.444464	-54.579213	-26.889031
9.50	6.232095	52.079100	26.820674	25.50	10.766318	-54.065566	-26.381240
9.75	2.751450	52.636432	26.845564	25.75	14.052685	-53.379670	-25.789370
10.00	-0.737925	53.008564	26.775978	26.00	17.292792	-52.522062	-25.114517
10.25	-4.223930	53.196396	26.613280	26.25	20.475801	-51.493812	-24.358049
10.50	-7.694772	53.201445	26.359126	26.50	23.590838	-50.296535	-23.521615
10.75	-11.138991	53.025811	26.015440	26.75	26.627025	-48.932416	-22.607148
11.00	-14.545487	52.672139	25.584399	27.00	29.573511	-47.404215	-21.616871
11.25	-17.903542	52.143586	25.068410	27.25	32.419505	-45.715295	-20.553304
11.50	-21.202832	51.443788	24.470091	27.50	35.154322	-43.869626	-19.419265
11.75	-24.433442	50.576822	23.792257	27.75	37.767420	-41.871805	-18.217878
12.00	-27.585878	49.547181	23.037899	28.00	40.248445	-39.727063	-16.952569
12.25	-30.651071	48.359740	22.210173	28.25	42.587282	-37.441278	-15.627075
12.50	-33.620384	47.019733	21.312380	28.50	44.774108	-35.020979	-14.245434
12.75	-36.485618	45.532718	20.347957	28.75	46.799444	-32.473348	-12.811989
13.00	-39.239012	43.904563	19.320464	29.00	48.654215	-29.806222	-11.331379
13.25	-41.873244	42.141413	18.233565	29.25	50.329815	-27.028082	-9.808534
13.50	-44.381435	40.249674	17.091028	29.50	51.818164	-24.148050	-8.248664
13.75	-46.757144	38.235990	15.896704	29.75	53.111778	-21.175864	-6.657243
14.00	-48.994373	36.107226	14.654525	30.00	54.203834	-18.121859	-5.039995
14.25	-51.087562	33.870446	13.368489	30.25	55.088235	-14.996938	-3.402873
14.50	-53.031590	31.532897	12.042655	30.50	55.759679	-11.812528	-1.752033
14.75	-54.821776	29.101993	10.681132	30.75	56.213716	-8.580541	-0.093811
15.00	-56.453873	26.585301	9.288073	31.00	56.446815	-5.313320	1.565315
15.25	-57.924073	23.990521	7.867666	31.25	56.456413	-2.023572	3.218754
15.50	-59.229001	21.325475	6.424126	31.50	56.240966	1.275693	4.859843
15.75	-60.365721	18.598089	4.961689	31.75	55.799993	4.571241	6.481890
16.00	-61.331728	15.816382	3.484605				
16.25	-62.124954	12.988452	1.997128				
16.50	-62.743761	10.122457	0.503511				
16.75	-63.186948	7.226606	-0.991999				

NOVEMBER 1971

DAY	X	Y	Z	DAY	X	Y	Z
1.00	55.134104	7.849696	8.078211	16.00	-54.940030	-26.656340	-17.533308
1.25	54.245026	11.097628	9.642184	16.25	-53.185885	-29.205493	-18.672445
1.50	53.135610	14.301640	11.167288	16.50	-51.281995	-31.673785	-19.759370
1.75	51.809837	17.448466	12.647156	16.75	-49.233445	-34.053989	-20.790857
2.00	50.272798	20.525063	14.075620	17.00	-47.045711	-36.339060	-21.763805
2.25	48.530673	23.518708	15.446752	17.25	-44.724662	-38.522150	-22.675241
2.50	46.590690	26.417088	16.754914	17.50	-42.276548	-40.596632	-23.522335
2.75	44.461079	29.208387	17.994796	17.75	-39.707998	-42.556109	-24.302403
3.00	42.151005	31.881373	19.161451	18.00	-37.026004	-44.394441	-25.012919
3.25	39.670501	34.425471	20.250329	18.25	-34.237919	-46.105760	-25.651520
3.50	37.030384	36.830827	21.257307	18.50	-31.351441	-47.684486	-26.216019
3.75	34.242173	39.088372	22.178705	18.75	-28.374605	-49.125350	-26.704410
4.00	31.317989	41.189866	23.011310	19.00	-25.315764	-50.423412	-27.114878
4.25	28.270465	43.127935	23.752385	19.25	-22.183579	-51.574076	-27.445804
4.50	25.112644	44.896102	24.399671	19.50	-18.986999	-52.573111	-27.695777
4.75	21.857882	46.488795	24.951395	19.75	-15.735249	-53.416668	-27.863599
5.00	18.519753	47.901360	25.406257	20.00	-12.437803	-54.101297	-27.948292
5.25	15.111953	49.130053	25.763428	20.25	-9.104373	-54.623966	-27.949106
5.50	11.648216	50.172029	26.022532	20.50	-5.744881	-54.982072	-27.865526
5.75	8.142225	51.025321	26.183631	20.75	-2.369439	-55.173460	-27.697272
6.00	4.607541	51.688812	26.247208	21.00	1.011673	-55.196439	-27.444316
6.25	1.057530	52.162204	26.214141	21.25	4.388035	-55.049794	-27.106874
6.50	-2.494698	52.445976	26.085679	21.50	7.749109	-54.732801	-26.685421
6.75	-6.036342	52.541349	25.863423	21.75	11.084270	-54.245235	-26.180689
7.00	-9.554962	52.450239	25.549293	22.00	14.382832	-53.587387	-25.593674
7.25	-13.038514	52.175212	25.145508	22.25	17.634075	-52.760074	-24.925635
7.50	-16.475385	51.719439	24.654559	22.50	20.827280	-51.764643	-24.178101
7.75	-19.854423	51.086651	24.079181	22.75	23.951754	-50.602988	-23.352869
8.00	-23.164951	50.281096	23.422334	23.00	26.996869	-49.277551	-22.452010
8.25	-26.396790	49.307491	22.687177	23.25	29.952091	-47.791332	-21.477862
8.50	-29.540265	48.170987	21.877046	23.50	32.807015	-46.147893	-20.433037
8.75	-32.586215	46.877122	20.995435	23.75	35.551403	-44.351363	-19.320417
9.00	-35.525994	45.431790	20.045975	24.00	38.175219	-42.406440	-18.143153
9.25	-38.351471	43.841202	19.032419	24.25	40.668668	-40.318389	-16.904661
9.50	-41.055031	42.111855	17.958622	24.50	43.022234	-38.093048	-15.608619
9.75	-43.629568	40.250502	16.828531	24.75	45.226725	-35.736819	-14.258965
10.00	-46.068481	38.264123	15.646165	25.00	47.273311	-33.256667	-12.859887
10.25	-48.365667	36.159901	14.415611	25.25	49.153568	-30.660109	-11.415818
10.50	-50.515514	33.945197	13.141004	25.50	50.859524	-27.955210	-9.931428
10.75	-52.512892	31.627530	11.826522	25.75	52.383701	-25.150564	-8.411613
11.00	-54.353150	29.214558	10.476376	26.00	53.719166	-22.255281	-6.861484
11.25	-56.032101	26.714060	9.094801	26.25	54.859573	-19.278968	-5.286352
11.50	-57.546019	24.133916	7.686049	26.50	55.799212	-16.231705	-3.691714
11.75	-58.891631	21.482100	6.254380	26.75	56.533056	-13.124013	-2.083233
12.00	-60.066113	18.766657	4.804061	27.00	57.056803	-9.966831	-0.466724
12.25	-61.067078	15.995699	3.339350	27.25	57.366925	-6.771470	1.151877
12.50	-61.892577	13.177386	1.864502	27.50	57.460709	-3.549577	2.766529
12.75	-62.541090	10.319917	0.383754	27.75	57.336296	-0.313086	4.371116
13.00	-63.011523	7.431520	-1.098674	28.00	56.992719	2.925833	5.959477
13.25	-63.303207	4.520440	-2.578589	28.25	56.429932	6.154831	7.525434
13.50	-63.415892	1.594928	-4.051827	28.50	55.648843	9.361439	9.062828
13.75	-63.349747	-1.336769	-5.514258	28.75	54.651329	12.533140	10.565550
14.00	-63.105356	-4.266419	-6.961795	29.00	53.440254	15.657428	12.027581
14.25	-62.683718	-7.185818	-8.390396	29.25	52.019476	18.721892	13.443023
14.50	-62.086248	-10.086796	-9.796071	29.50	50.393843	21.714282	14.806143
14.75	-61.314772	-12.961237	-11.174887	29.75	48.569187	24.622594	16.111407
15.00	-60.371529	-15.801085	-12.522976	30.00	46.552301	27.435140	17.353518
15.25	-59.259169	-18.598359	-13.836541	30.25	44.350910	30.140629	18.527451
15.50	-57.980751	-21.345166	-15.111860	30.50	41.973636	32.728241	19.628488
15.75	-56.539746	-24.033718	-16.345297	30.75	39.429947	35.187699	20.652253

DECEMBER 1971

DAY	X	Y	Z	DAY	X	Y	Z
1.00	36.730103	37.509339	21.594736	17.00	-16.135030	-53.032236	-27.687745
1.25	33.885088	39.684168	22.452325	17.25	-12.819764	-53.735453	-27.766512
1.50	30.906541	41.703927	23.221823	17.50	-9.465270	-54.275982	-27.760944
1.75	27.806679	43.561133	23.900471	17.75	-6.081702	-54.651069	-27.670501
2.00	24.598205	45.249124	24.485957	18.00	-2.679438	-54.858428	-27.494897
2.25	21.294233	46.762093	24.976430	18.25	0.730947	-54.896263	-27.234107
2.50	17.908188	48.095105	25.370501	18.50	4.138714	-54.763288	-26.888376
2.75	14.453725	49.244116	25.667245	18.75	7.532987	-54.458742	-26.458220
3.00	10.944629	50.205978	25.866193	19.00	10.902790	-53.982409	-25.944437
3.25	7.394738	50.978435	25.967328	19.25	14.237082	-53.334628	-25.348107
3.50	3.817849	51.560109	25.971068	19.50	17.524794	-52.516307	-24.670597
3.75	0.227647	51.950480	25.878252	19.75	20.754867	-51.528934	-23.913562
4.00	-3.362378	52.149863	25.690121	20.00	23.916297	-50.374585	-23.078948
4.25	-6.938993	52.159374	25.408294	20.25	26.998169	-49.055927	-22.168985
4.50	-10.489289	51.980889	25.034747	20.50	29.989705	-47.576221	-21.186192
4.75	-14.000733	51.617009	24.571785	20.75	32.880304	-45.939326	-20.133370
5.00	-17.461217	51.071009	24.022018	21.00	35.659587	-44.149692	-19.013599
5.25	-20.859099	50.346795	23.388335	21.25	38.317441	-42.212357	-17.830226
5.50	-24.183238	49.448855	22.673874	21.50	40.844058	-40.132940	-16.586867
5.75	-27.423018	48.382211	21.881999	21.75	43.229984	-37.917627	-15.287391
6.00	-30.568373	47.152370	21.016272	22.00	45.466155	-35.573161	-13.935909
6.25	-33.609797	45.765279	20.080430	22.25	47.543946	-33.106824	-12.536770
6.50	-36.538358	44.227277	19.078361	22.50	49.455206	-30.526419	-11.094540
6.75	-39.345704	42.545051	18.014080	22.75	51.192301	-27.840248	-9.613992
7.00	-42.024060	40.725598	16.891711	23.00	52.748150	-25.057089	-8.100091
7.25	-44.566226	38.776185	15.715466	23.25	54.116266	-22.186169	-6.557979
7.50	-46.965575	36.704309	14.489628	23.50	55.290786	-19.237136	-4.992951
7.75	-49.216042	34.517669	13.218532	23.75	56.266510	-16.220026	-3.410444
8.00	-51.312117	32.224131	11.906556	24.00	57.038931	-13.145229	-1.816016
8.25	-53.248831	29.831702	10.558104	24.25	57.604261	-10.023455	-0.215321
8.50	-55.021745	27.348503	9.177595	24.50	57.959466	-6.865696	1.385908
8.75	-56.626939	24.782751	7.769450	24.75	58.102284	-3.683181	2.981882
9.00	-58.060996	22.142729	6.338087	25.00	58.031250	-0.487338	4.566781
9.25	-59.320993	19.436777	4.887913	25.25	57.745717	2.710255	6.134777
9.50	-60.404486	16.673271	3.423310	25.50	57.245867	5.897916	7.680059
9.75	-61.309498	13.860607	1.948637	25.75	56.532731	9.063907	9.196860
10.00	-62.034509	11.007193	0.468218	26.00	55.608190	12.196484	10.679480
10.25	-62.578445	8.121430	-1.013660	26.25	54.474986	15.283956	12.122316
10.50	-62.940669	5.211707	-2.492752	26.50	53.136718	18.314732	13.519888
10.75	-63.120972	2.286390	-3.964860	26.75	51.597842	21.277381	14.866866
11.00	-63.119563	-0.646188	-5.425837	27.00	49.863657	24.160683	16.158096
11.25	-62.937068	-3.577738	-6.871590	27.25	47.940294	26.953693	17.388630
11.50	-62.574519	-6.500018	-8.298084	27.50	45.834696	29.645792	18.553751
11.75	-62.033352	-9.404845	-9.701348	27.75	43.554588	32.226744	19.648997
12.00	-61.315406	-12.284102	-11.077475	28.00	41.108454	34.686752	20.670190
12.25	-60.422913	-15.129749	-12.422629	28.25	38.505493	37.016513	21.613455
12.50	-59.358502	-17.933827	-13.733048	28.50	35.755580	39.207265	22.475247
12.75	-58.125197	-20.688471	-15.005047	28.75	32.869217	41.250842	23.252367
13.00	-56.726413	-23.385918	-16.235030	29.00	29.857480	43.139712	23.941981
13.25	-55.165957	-26.018521	-17.419484	29.25	26.731960	44.867023	24.541639
13.50	-53.448028	-28.578755	-18.554996	29.50	23.504705	46.426636	25.049283
13.75	-51.577216	-31.059236	-19.638249	29.75	20.188149	47.813161	25.463259
14.00	-49.558503	-33.452727	-20.666039	30.00	16.795044	49.021975	25.782326
14.25	-47.397260	-35.752157	-21.635273	30.25	13.338391	50.049250	26.005658
14.50	-45.099248	-37.950639	-22.542982	30.50	9.831368	50.891959	26.132843
14.75	-42.670612	-40.041477	-23.386327	30.75	6.287252	51.547888	26.163883
15.00	-40.117886	-42.018195	-24.162608	31.00	2.719350	52.015634	26.099188
15.25	-37.447979	-43.874545	-24.869273	31.25	-0.859071	52.294599	25.939564
15.50	-34.668180	-45.604535	-25.503926	31.50	-4.434859	52.384979	25.686206
15.75	-31.786143	-47.202442	-26.064340	31.75	-7.995040	52.287744	25.340678
16.00	-28.809887	-48.662839	-26.548463				
16.25	-25.747779	-49.980611	-26.954430				
16.50	-22.608527	-51.150982	-27.280571				
16.75	-19.401163	-52.169536	-27.525424				

JANUARY 1972

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-11.526879	52.004616	24.904901	17.00	31.897940	-45.908962	-20.161564
1.25	-15.017944	51.538043	24.381130	17.25	34.729338	-44.122702	-19.033012
1.50	-18.456155	50.891159	23.771938	17.50	37.440673	-42.184849	-17.839076
1.75	-21.829838	50.067757	23.080187	17.75	40.021579	-40.101159	-16.583501
2.00	-25.127763	49.072243	22.309010	18.00	42.462061	-37.878029	-15.270317
2.25	-28.339184	47.909595	21.461787	18.25	44.752553	-35.522479	-13.903830
2.50	-31.453872	46.585322	20.542117	18.50	46.883968	-33.042130	-12.488608
2.75	-34.462139	45.105419	19.553799	18.75	48.847758	-30.445181	-11.029458
3.00	-37.354863	43.476321	18.500800	19.00	50.635953	-27.740379	-9.531411
3.25	-40.123496	41.704858	17.387241	19.25	52.241219	-24.936981	-7.999699
3.50	-42.760083	39.798215	16.217367	19.50	53.656892	-22.044721	-6.439736
3.75	-45.257264	37.763882	14.995529	19.75	54.877026	-19.073762	-4.857089
4.00	-47.608275	35.609624	13.726161	20.00	55.896423	-16.034657	-3.257455
4.25	-49.806949	33.343431	12.413764	20.25	56.710663	-12.938298	-1.646633
4.50	-51.847710	30.973488	11.062883	20.50	57.316137	-9.795866	-0.030501
4.75	-53.725566	28.508137	9.678097	20.75	57.710058	-6.618781	1.585017
5.00	-55.436098	25.955846	8.263996	21.00	57.890490	-3.418648	3.193975
5.25	-56.975449	23.325181	6.825175	21.25	57.856346	-0.207203	4.790433
5.50	-58.340311	20.624776	5.366213	21.50	57.607406	3.003743	6.368490
5.75	-59.527912	17.863310	3.891672	21.75	57.144310	6.202357	7.922303
6.00	-60.536000	15.049484	2.406078	22.00	56.468559	9.376837	9.446120
6.25	-61.362829	12.192002	0.913918	22.25	55.582508	12.515470	10.934305
6.50	-62.007143	9.299553	-0.580371	22.50	54.489351	15.606681	12.381362
6.75	-62.468164	6.380795	-2.072406	22.75	53.193106	18.639086	13.781958
7.00	-62.745575	3.444338	-3.557867	23.00	51.698596	21.601542	15.130951
7.25	-62.839509	0.498739	-5.032499	23.25	50.011423	24.483197	16.423409
7.50	-62.750533	-2.447516	-6.492118	23.50	48.137942	27.273534	17.654631
7.75	-62.479643	-5.386021	-7.932614	23.75	46.085231	29.962419	18.820166
8.00	-62.028244	-8.308454	-9.349958	24.00	43.861052	32.540139	19.915833
8.25	-61.398151	-11.206591	-10.740199	24.25	41.473821	34.997448	20.937739
8.50	-60.591571	-14.072311	-12.099473	24.50	38.932565	37.325598	21.882290
8.75	-59.611103	-16.897601	-13.424003	24.75	36.246877	39.516381	22.746208
9.00	-58.459728	-19.674566	-14.710103	25.00	33.426878	41.562155	23.526545
9.25	-57.140804	-22.395435	-15.954179	25.25	30.483165	43.455881	24.220690
9.50	-55.658064	-25.052568	-17.152736	25.50	27.426762	45.191141	24.826381
9.75	-54.015613	-27.638463	-18.302377	25.75	24.269076	46.762169	25.341709
10.00	-52.217922	-30.145765	-19.399812	26.00	21.021837	48.163865	25.765130
10.25	-50.269830	-32.567274	-20.441856	26.25	17.697051	49.391817	26.095461
10.50	-48.176542	-34.895953	-21.425440	26.50	14.306940	50.442311	26.331888
10.75	-45.943626	-37.124942	-22.347611	26.75	10.863893	51.312344	26.473964
11.00	-43.577019	-39.247567	-23.205540	27.00	7.380406	51.999626	26.521606
11.25	-41.083017	-41.257353	-23.996530	27.25	3.869032	52.502585	26.475095
11.50	-38.468284	-43.148038	-24.718020	27.50	0.342318	52.820364	26.335067
11.75	-35.739843	-44.913587	-25.367592	27.75	-3.187242	52.952818	26.102507
12.00	-32.905080	-46.548212	-25.942982	28.00	-6.707263	52.900504	25.778743
12.25	-29.971741	-48.046387	-26.442088	28.25	-10.205524	52.664665	25.365428
12.50	-26.947923	-49.402867	-26.862977	28.50	-13.670011	52.247220	24.864536
12.75	-23.842075	-50.612710	-27.203899	28.75	-17.088973	51.650738	24.278343
13.00	-20.662989	-51.671301	-27.463293	29.00	-20.450960	50.878421	23.609413
13.25	-17.419791	-52.574369	-27.639800	29.25	-23.744870	49.934072	22.860580
13.50	-14.121931	-53.318019	-27.732275	29.50	-26.959989	48.822073	22.034934
13.75	-10.779166	-53.898748	-27.739794	29.75	-30.086023	47.547348	21.135802
14.00	-7.401549	-54.313480	-27.661673	30.00	-33.113132	46.115334	20.166723
14.25	-3.999409	-54.559584	-27.497472	30.25	-36.031961	44.531945	19.131435
14.50	-0.583324	-54.634906	-27.247009	30.50	-38.833660	42.803536	18.033854
14.75	2.835899	-54.537791	-26.910371	30.75	-41.509911	40.936868	16.878051
15.00	6.247257	-54.267110	-26.487925	31.00	-44.052938	38.939067	15.668234
15.25	9.639580	-53.822283	-25.980325	31.25	-46.455527	36.817590	14.408728
15.50	13.001568	-53.203306	-25.388521	31.50	-48.711031	34.580187	13.103955
15.75	16.321832	-52.410765	-24.713769	31.75	-50.813377	32.234863	11.758415
16.00	19.588935	-51.445863	-23.957632				
16.25	22.791437	-50.310431	-23.121990				
16.50	25.917945	-49.006942	-22.209037				
16.75	28.957161	-47.538524	-21.221286				

FEBRUARY 1972

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-52.757070	29.789842	10.376671	15.00	47.412685	-31.381194	-11.630685
1.25	-54.537194	27.253535	8.963325	15.25	49.273791	-28.672513	-10.126837
1.50	-56.149404	24.634503	7.523010	15.50	50.952581	-25.857901	-8.585718
1.75	-57.589927	21.941427	6.060368	15.75	52.441538	-22.947295	-7.012903
2.00	-58.855548	19.183076	4.580037	16.00	53.733891	-19.951173	-5.414172
2.25	-59.943607	16.368283	3.086640	16.25	54.823672	-16.880506	-3.795483
2.50	-60.851981	13.505913	1.584770	16.50	55.705762	-13.746700	-2.162938
2.75	-61.579077	10.604842	0.078983	16.75	56.375938	-10.561538	-0.522750
3.00	-62.123818	7.673932	-1.426220	17.00	56.830902	-7.337111	1.118794
3.25	-62.485626	4.722013	-2.926393	17.25	57.068309	-4.085751	2.755366
3.50	-62.664411	1.757861	-4.417160	17.50	57.086791	-0.819961	4.380638
3.75	-62.660555	-1.209815	-5.894220	17.75	56.885959	2.447659	5.988316
4.00	-62.474897	-4.172393	-7.353350	18.00	56.466414	5.704486	7.572177
4.25	-62.108720	-7.121349	-8.790417	18.25	55.829732	8.937945	9.126106
4.50	-61.563739	-10.048269	-10.201379	18.50	54.978458	12.135581	10.644131
4.75	-60.842083	-12.944862	-11.582289	18.75	53.916078	15.285129	12.120452
5.00	-59.946288	-15.802966	-12.929303	19.00	52.646992	18.374579	13.549473
5.25	-58.879282	-18.614564	-14.238676	19.25	51.176483	21.392240	14.925832
5.50	-57.644378	-21.371783	-15.506773	19.50	49.510670	24.326795	16.244427
5.75	-56.245258	-24.066911	-16.730069	19.75	47.656470	27.167358	17.500431
6.00	-54.685974	-26.692397	-17.905149	20.00	45.621541	29.903525	18.689326
6.25	-52.970930	-29.240861	-19.028715	20.25	43.414237	32.525411	19.806906
6.50	-51.104884	-31.705099	-20.097587	20.50	41.043548	35.023695	20.849302
6.75	-49.092937	-34.078095	-21.108707	20.75	38.519047	37.389650	21.812989
7.00	-46.940530	-36.353019	-22.059138	21.00	35.850829	39.615175	22.694796
7.25	-44.653442	-38.523243	-22.946072	21.25	33.049452	41.692815	23.491915
7.50	-42.237784	-40.582347	-23.766835	21.50	30.125886	43.615782	24.201901
7.75	-39.699996	-42.524124	-24.518885	21.75	27.091447	45.377968	24.822679
8.00	-37.046848	-44.342596	-25.199822	22.00	23.957744	46.973961	25.352544
8.25	-34.285437	-46.032021	-25.807392	22.25	20.736623	48.399043	25.790154
8.50	-31.423182	-47.586904	-26.339492	22.50	17.440112	49.649199	26.134534
8.75	-28.467827	-49.002014	-26.794177	22.75	14.080367	50.721115	26.385067
9.00	-25.427437	-50.272398	-27.169666	23.00	10.669626	51.612177	26.541490
9.25	-22.310394	-51.393395	-27.464353	23.25	7.220153	52.320461	26.603887
9.50	-19.125395	-52.360654	-27.676811	23.50	3.744194	52.844726	26.572678
9.75	-15.881444	-53.170155	-27.805805	23.75	0.253933	53.184404	26.448612
10.00	-12.587852	-53.818230	-27.850300	24.00	-3.238555	53.339589	26.232758
10.25	-9.254224	-54.301580	-27.809469	24.25	-6.721340	53.311016	25.926492
10.50	-5.890449	-54.617307	-27.682710	24.50	-10.182684	53.100052	25.531484
10.75	-2.506690	-54.762931	-27.469651	24.75	-13.611071	52.708670	25.049692
11.00	0.886631	-54.736419	-27.170165	25.00	-16.995248	52.139436	24.483340
11.25	4.278855	-54.536213	-26.784380	25.25	-20.324254	51.395484	23.834913
11.50	7.659106	-54.161257	-26.312692	25.50	-23.587455	50.480492	23.107136
11.75	11.016314	-53.611020	-25.755775	25.75	-26.774570	49.398664	22.302967
12.00	14.339249	-52.885530	-25.114596	26.00	-29.875703	48.154698	21.425575
12.25	17.616550	-51.985397	-24.390419	26.25	-32.881363	46.753765	20.478331
12.50	20.836766	-50.911842	-23.584822	26.50	-35.782488	45.201482	19.464790
12.75	23.988401	-49.666714	-22.699697	26.75	-38.570470	43.503880	18.388673
13.00	27.059952	-48.252523	-21.737266	27.00	-41.237168	41.667382	17.253857
13.25	30.039970	-46.672449	-20.700080	27.25	-43.774929	39.698769	16.064355
13.50	32.917107	-44.930364	-19.591024	27.50	-46.176598	37.605154	14.824301
13.75	35.680183	-43.030839	-18.413318	27.75	-48.435534	35.393950	13.537937
14.00	38.318239	-40.979157	-17.170514	28.00	-50.545618	33.072843	12.209594
14.25	40.820608	-38.781308	-15.866494	28.25	-52.501258	30.649760	10.843678
14.50	43.176981	-36.443990	-14.505459	28.50	-54.297399	28.132842	9.444655
14.75	45.377471	-33.974595	-13.091921	28.75	-55.929523	25.530412	8.017036
				29.00	-57.393651	22.850948	6.565363
				29.25	-58.686345	20.103056	5.094196
				29.50	-59.804698	17.295439	3.608096
				29.75	-60.746339	14.436874	2.111618

MARCH 1972

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-61.509420	11.536185	0.609293	17.00	53.651465	13.581413	11.142225
1.25	-62.092613	8.602218	-0.894380	17.25	52.434708	16.753596	12.606939
1.50	-62.495099	5.643820	-2.394946	17.50	51.008671	19.857831	14.020574
1.75	-62.716559	2.669812	-3.888005	17.75	49.379401	22.881717	15.377518
2.00	-62.757162	-0.311025	-5.369218	18.00	47.553901	25.813298	16.672459
2.25	-62.617557	-3.289978	-6.834322	18.25	45.540068	28.641135	17.900417
2.50	-62.298858	-6.258413	-8.279131	18.50	43.346632	31.354368	19.056767
2.75	-61.802630	-9.207795	-9.699550	18.75	40.983085	33.942776	20.137264
3.00	-61.130881	-12.129705	-11.091575	19.00	38.459601	36.396824	21.138058
3.25	-60.286046	-15.015854	-12.451306	19.25	35.786966	38.707704	22.055713
3.50	-59.270973	-17.858094	-13.774948	19.50	32.976488	40.867366	22.887208
3.75	-58.088912	-20.648434	-15.058817	19.75	30.039927	42.868544	23.629949
4.00	-56.743505	-23.379048	-16.299345	20.00	26.989408	44.704768	24.281766
4.25	-55.238767	-26.042289	-17.493084	20.25	23.837349	46.370378	24.840912
4.50	-53.579082	-28.630695	-18.636712	20.50	20.596380	47.860522	25.306059
4.75	-51.769186	-31.137003	-19.727031	20.75	17.279276	49.171153	25.676289
5.00	-49.814163	-33.554149	-20.760977	21.00	13.898889	50.299021	25.951080
5.25	-47.719428	-35.875287	-21.735616	21.25	10.468081	51.241655	26.130300
5.50	-45.490722	-38.093788	-22.648155	21.50	6.999670	51.997348	26.214189
5.75	-43.134107	-40.203250	-23.495938	21.75	3.506368	52.565136	26.203345
6.00	-40.655951	-42.197508	-24.276453	22.00	0.000741	52.944771	26.098705
6.25	-38.062925	-44.070641	-24.987336	22.25	-3.504845	53.136696	25.901533
6.50	-35.361998	-45.816978	-25.626369	22.50	-6.998262	53.142016	25.613398
6.75	-32.560429	-47.431107	-26.191491	22.75	-10.467654	52.962473	25.236162
7.00	-29.665763	-48.907887	-26.680797	23.00	-13.901474	52.600410	24.771956
7.25	-26.685823	-50.242455	-27.092544	23.25	-17.288511	52.058747	24.223167
7.50	-23.628712	-51.430236	-27.425155	23.50	-20.617916	51.340947	23.592419
7.75	-20.502798	-52.466959	-27.677226	23.75	-23.879227	50.450987	22.882560
8.00	-17.316720	-53.348664	-27.847532	24.00	-27.062384	49.393330	22.096640
8.25	-14.079374	-54.071722	-27.935029	24.25	-30.157754	48.172891	21.237897
8.50	-10.799914	-54.632845	-27.938867	24.50	-33.156137	46.795014	20.309743
8.75	-7.487738	-55.029105	-27.858395	24.75	-36.048787	45.265441	19.315749
9.00	-4.152487	-55.257951	-27.693166	25.00	-38.827421	43.590281	18.259629
9.25	-0.804034	-55.317230	-27.442952	25.25	-41.484225	41.775991	17.145225
9.50	2.547532	-55.205206	-27.107747	25.50	-44.011867	39.829343	15.976495
9.75	5.891912	-54.920581	-26.687783	25.75	-46.403501	37.757398	14.757498
10.00	9.218616	-54.462520	-26.183532	26.00	-48.652775	35.567485	13.492385
10.25	12.516982	-53.830674	-25.595723	26.25	-50.753833	33.267173	12.185380
10.50	15.776193	-53.025203	-24.925352	26.50	-52.701319	30.864248	10.840772
10.75	18.985306	-52.046807	-24.173686	26.75	-54.490380	28.366688	9.462902
11.00	22.133282	-50.896744	-23.342283	27.00	-56.116668	25.782641	8.056153
11.25	25.209011	-49.576861	-22.432991	27.25	-57.576336	23.120400	6.624935
11.50	28.201357	-48.089615	-21.447966	27.50	-58.866045	20.388382	5.173675
11.75	31.099196	-46.438100	-20.389675	27.75	-59.982955	17.595106	3.706810
12.00	33.891460	-44.626067	-19.260905	28.00	-60.924730	14.749171	2.228770
12.25	36.567194	-42.657940	-18.064768	28.25	-61.689527	11.859233	0.743974
12.50	39.115605	-40.538838	-16.804702	28.50	-62.276001	8.933985	-0.743184
12.75	41.526126	-38.274582	-15.484474	28.75	-62.683290	5.982137	-2.228344
13.00	43.788478	-35.871708	-14.108179	29.00	-62.911018	3.012398	-3.707190
13.25	45.892742	-33.337462	-12.680233	29.25	-62.959287	0.033453	-5.175455
13.50	47.829421	-30.679802	-11.205366	29.50	-62.828663	-2.946057	-6.628936
13.75	49.589522	-27.907382	-9.688612	29.75	-62.520178	-5.917548	-8.063496
14.00	51.164625	-25.029539	-8.135290	30.00	-62.035316	-8.872515	-9.475079
14.25	52.546955	-22.056263	-6.550989	30.25	-61.376002	-11.802548	-10.859711
14.50	53.729462	-18.998161	-4.941542	30.50	-60.544600	-14.699350	-12.213512
14.75	54.705881	-15.866418	-3.313001	30.75	-59.543892	-17.554749	-13.532700
15.00	55.470810	-12.672743	-1.671602	31.00	-58.377079	-20.360717	-14.813600
15.25	56.019758	-9.429310	-0.023734	31.25	-57.047760	-23.109384	-16.052649
15.50	56.349209	-6.148691	1.624098	31.50	-55.559927	-25.793050	-17.246400
15.75	56.456664	-2.843783	3.265318	31.75	-53.917951	-28.404199	-18.391531
16.00	56.340678	0.472273	4.893313				
16.25	56.000885	3.786176	6.501487				
16.50	55.438015	7.084554	8.083299				
16.75	54.653901	10.354048	9.632310				

APRIL

1972

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-52.126572	-30.935512	-19.484848	16.00	31.162020	41.233637	22.725021
1.25	-50.190886	-33.379878	-20.523290	16.25	28.101711	43.179857	23.417783
1.50	-48.116334	-35.730405	-21.503935	16.50	24.930723	44.953533	24.016854
1.75	-45.908690	-37.980433	-22.424001	16.75	21.662474	46.548887	24.520553
2.00	-43.574052	-40.123542	-23.280853	17.00	18.310615	47.961069	24.927670
2.25	-41.118826	-42.153561	-24.072007	17.25	14.888942	49.186150	25.237460
2.50	-38.549721	-44.064582	-24.795131	17.50	11.411306	50.221119	25.449631
2.75	-35.873731	-45.850962	-25.448051	17.75	7.891529	51.063857	25.564327
3.00	-33.098135	-47.507341	-26.028755	18.00	4.343328	51.713117	25.582106
3.25	-30.230475	-49.028642	-26.535394	18.25	0.780246	52.168491	25.503926
3.50	-27.278555	-50.410086	-26.966286	18.50	-2.784415	52.430378	25.331115
3.75	-24.250427	-51.647199	-27.319922	18.75	-6.337645	52.499939	25.065353
4.00	-21.154383	-52.735821	-27.594969	19.00	-9.866783	52.379063	24.708643
4.25	-17.998945	-53.672119	-27.790270	19.25	-13.359551	52.070317	24.263291
4.50	-14.792857	-54.452590	-27.904854	19.50	-16.804096	51.576911	23.731876
4.75	-11.545074	-55.074078	-27.937936	19.75	-20.189015	50.902643	23.117233
5.00	-8.264753	-55.533785	-27.888925	20.00	-23.503387	50.051865	22.422421
5.25	-4.961244	-55.829278	-27.757426	20.25	-26.736783	49.029437	21.650707
5.50	-1.644079	-55.958508	-27.543246	20.50	-29.879288	47.840684	20.805544
5.75	1.677041	-55.919817	-27.246400	20.75	-32.921508	46.491358	19.890547
6.00	4.992253	-55.711960	-26.867119	21.00	-35.854579	44.987599	18.909476
6.25	8.291549	-55.334113	-26.405853	21.25	-38.670174	43.335901	17.866219
6.50	11.564790	-54.785893	-25.863280	21.50	-41.360497	41.543076	16.764771
6.75	14.801721	-54.067377	-25.240311	21.75	-43.918293	39.616219	15.609223
7.00	17.991989	-53.179114	-24.538100	22.00	-46.336838	37.562686	14.403745
7.25	21.125164	-52.122150	-23.758047	22.25	-48.609941	35.390056	13.152573
7.50	24.190760	-50.898042	-22.901811	22.50	-50.731939	33.106111	11.859994
7.75	27.178263	-49.508881	-21.971311	22.75	-52.697689	30.718808	10.530337
8.00	30.077157	-47.957311	-20.968741	23.00	-54.502567	28.236256	9.167961
8.25	32.876957	-46.246542	-19.896565	23.25	-56.142458	25.666696	7.777244
8.50	35.567246	-44.380381	-18.757538	23.50	-57.613753	23.018476	6.362575
8.75	38.137709	-42.363238	-17.554695	23.75	-58.913342	20.300035	4.928341
9.00	40.578185	-40.200150	-16.291371	24.00	-60.038606	17.519883	3.478925
9.25	42.878706	-37.896789	-14.971192	24.25	-60.987414	14.686582	2.018691
9.50	45.029556	-35.459477	-13.598082	24.50	-61.758112	11.808731	0.551978
9.75	47.021319	-32.895193	-12.176258	24.75	-62.349521	8.894948	-0.916903
10.00	48.844946	-30.211579	-10.710231	25.00	-62.760928	5.953854	-2.383683
10.25	50.491814	-27.416934	-9.204800	25.25	-62.992083	2.994058	-3.844140
10.50	51.953792	-24.520213	-7.665037	25.50	-63.043189	0.024139	-5.294101
10.75	53.223312	-21.531008	-6.096284	25.75	-62.914898	-2.947363	-6.729458
11.00	54.293433	-18.459534	-4.504129	26.00	-62.608303	-5.911971	-8.146167
11.25	55.157920	-15.316601	-2.894392	26.25	-62.124936	-8.861275	-9.540258
11.50	55.811306	-12.113571	-1.273100	26.50	-61.466753	-11.786956	-10.907841
11.75	56.248966	-8.862326	0.353540	26.75	-60.636137	-14.680795	-12.245114
12.00	56.467177	-5.575202	1.979176	27.00	-59.635881	-17.534690	-13.548365
12.25	56.463178	-2.264941	3.597339	27.25	-58.469188	-20.340667	-14.813983
12.50	56.235230	1.055387	5.201487	27.50	-57.139661	-23.090899	-16.038463
12.75	55.782651	4.372459	6.785044	27.75	-55.651293	-25.777716	-17.218411
13.00	55.105860	7.672780	8.341443	28.00	-54.008460	-28.393619	-18.350549
13.25	54.206400	10.942777	9.864177	28.25	-52.215910	-30.931295	-19.431725
13.50	53.086953	14.168886	11.346838	28.50	-50.278758	-33.383632	-20.458915
13.75	51.751341	17.337658	12.783175	28.75	-48.202471	-35.743729	-21.429229
14.00	50.204514	20.435849	14.167129	29.00	-45.992861	-38.004912	-22.339919
14.25	48.452528	23.450521	15.492888	29.25	-43.656073	-40.160742	-23.188381
14.50	46.502502	26.369138	16.754927	29.50	-41.198574	-42.205035	-23.972163
14.75	44.362578	29.179654	17.948047	29.75	-38.627142	-44.131869	-24.688968
15.00	42.041850	31.870601	19.067412	30.00	-35.948855	-45.935596	-25.336661
15.25	39.550297	34.431165	20.108585	30.25	-33.171075	-47.610858	-25.913270
15.50	36.898702	36.851257	21.067548	30.50	-30.301440	-49.152593	-26.416995
15.75	34.098569	39.121571	21.940730	30.75	-27.347849	-50.556050	-26.846208

MAY 1972

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-24.318450	-51.816798	-27.199462	17.00	-18.523308	50.543136	22.816681
1.25	-21.221624	-52.930739	-27.475489	17.25	-21.926079	49.754613	22.137742
1.50	-18.065976	-53.894116	-27.673210	17.50	-25.248887	48.788163	21.379619
1.75	-14.860315	-54.703525	-27.791735	17.75	-28.480957	47.649312	20.545939
2.00	-11.613648	-55.355923	-27.830368	18.00	-31.612113	46.344082	19.640519
2.25	-8.335155	-55.848644	-27.788610	18.25	-34.632799	44.878946	18.667338
2.50	-5.034186	-56.179400	-27.666163	18.50	-37.534078	43.260773	17.630516
2.75	-1.720237	-56.346298	-27.462935	18.75	-40.307641	41.496784	16.534285
3.00	1.597062	-56.347849	-27.179041	19.00	-42.945804	39.594506	15.382974
3.25	4.907962	-56.182978	-26.814809	19.25	-45.441500	37.561733	14.180986
3.50	8.202613	-55.851033	-26.370780	19.50	-47.788277	35.406484	12.932779
3.75	11.471080	-55.351795	-25.847716	19.75	-49.980285	33.136970	11.642851
4.00	14.703365	-54.685495	-25.246602	20.00	-52.012263	30.761558	10.315726
4.25	17.889417	-53.852816	-24.568648	20.25	-53.879532	28.288748	8.955938
4.50	21.019163	-52.854911	-23.815295	20.50	-55.577973	25.727137	7.568021
4.75	24.082521	-51.693411	-22.988215	20.75	-57.104022	23.085402	6.156499
5.00	27.069426	-50.370437	-22.089321	21.00	-58.454652	20.372271	4.725872
5.25	29.969853	-48.888613	-21.120763	21.25	-59.627357	17.596508	3.280612
5.50	32.773845	-47.251075	-20.084938	21.50	-60.620143	14.766892	1.825152
5.75	35.471539	-45.461483	-18.984484	21.75	-61.431509	11.892199	0.363883
6.00	38.053199	-43.524033	-17.822293	22.00	-62.060441	8.981190	-1.098859
6.25	40.509245	-41.443462	-16.601505	22.25	-62.506395	6.042592	-2.558793
6.50	42.830290	-39.225065	-15.325513	22.50	-62.769286	3.085089	-4.011699
6.75	45.007177	-36.874694	-13.997961	22.75	-62.849480	0.117309	-5.453429
7.00	47.031023	-34.398772	-12.622745	23.00	-62.747784	-2.852191	-6.879903
7.25	48.893257	-31.804289	-11.204012	23.25	-62.465432	-5.814934	-8.287122
7.50	50.585670	-29.098813	-9.746155	23.50	-62.004084	-8.762531	-9.671167
7.75	52.100463	-26.290478	-8.253807	23.75	-61.365810	-11.686699	-11.028204
8.00	53.430297	-23.387988	-6.731836	24.00	-60.553088	-14.579263	-12.354494
8.25	54.568351	-20.400602	-5.185336	24.25	-59.568795	-17.432176	-13.646389
8.50	55.508370	-17.338124	-3.619614	24.50	-58.416198	-20.237520	-14.900344
8.75	56.244733	-14.210880	-2.040175	24.75	-57.098952	-22.987526	-16.112917
9.00	56.772498	-11.029698	-0.452708	25.00	-55.621090	-25.674577	-17.280778
9.25	57.087472	-7.805873	1.136936	25.25	-53.987017	-28.291226	-18.400709
9.50	57.186260	-4.551131	2.722769	25.50	-52.201503	-30.830204	-19.469613
9.75	57.066325	-1.277584	4.298689	25.75	-50.269679	-33.284434	-20.484518
10.00	56.726036	2.002321	5.858512	26.00	-48.197024	-35.647041	-21.442583
10.25	56.164721	5.275862	7.396006	26.25	-45.989366	-37.911367	-22.341101
10.50	55.382703	8.530110	8.904924	26.50	-43.652866	-40.070981	-23.177508
10.75	54.381345	11.751998	10.379044	26.75	-41.194014	-42.119696	-23.949386
11.00	53.163066	14.928402	11.812209	27.00	-38.619619	-44.051580	-24.654470
11.25	51.731368	18.046226	13.198372	27.25	-35.936800	-45.860969	-25.290652
11.50	50.090840	21.092488	14.531634	27.50	-33.152974	-47.542482	-25.855991
11.75	48.247158	24.054413	15.806294	27.75	-30.275844	-49.091035	-26.348712
12.00	46.207064	26.919525	17.016890	28.00	-27.313393	-50.501852	-26.767217
12.25	43.978342	29.675742	18.158241	28.25	-24.273861	-51.770484	-27.110089
12.50	41.569780	32.311464	19.225488	28.50	-21.165741	-52.892816	-27.376098
12.75	38.991113	34.815663	20.214134	28.75	-17.997758	-53.865086	-27.564201
13.00	36.252962	37.177962	21.120074	29.00	-14.778856	-54.683896	-27.673557
13.25	33.366761	39.388714	21.939631	29.25	-11.518181	-55.346223	-27.703521
13.50	30.344670	41.439071	22.669576	29.50	-8.225063	-55.849436	-27.653655
13.75	27.199489	43.321037	23.307152	29.75	-4.908999	-56.191302	-27.523731
14.00	23.944557	45.027519	23.850088	30.00	-1.579634	-56.370006	-27.313736
14.25	20.593651	46.552367	24.296605	30.25	1.753261	-56.384153	-27.023871
14.50	17.160884	47.890394	24.645425	30.50	5.079807	-56.232785	-26.654560
14.75	13.660600	49.037394	24.895765	30.75	8.390043	-55.915389	-26.206448
15.00	10.107272	49.990144	25.047331	31.00	11.673942	-55.431907	-25.680408
15.25	6.515402	50.746398	25.100303	31.25	14.921439	-54.782742	-25.077541
15.50	2.899425	51.304869	25.055324	31.50	18.122452	-53.968772	-24.399176
15.75	-0.726375	51.665203	24.913475	31.75	21.266910	-52.991352	-23.646875
16.00	-4.347953	51.827949	24.676254				
16.25	-7.951573	51.794514	24.345549				
16.50	-11.523875	51.567121	23.923611				
16.75	-15.051934	51.148760	23.413025				

JUNE

1972

DAY	X	Y	Z	DAY	X	Y	Z
1.00	24.344775	-51.852324	-22.822431	16.00	-48.548312	33.737110	11.847808
1.25	27.346071	-50.554022	-21.927872	16.25	-50.679726	31.375882	10.515624
1.50	30.260910	-49.099277	-20.965457	16.50	-52.644330	28.912810	9.149438
1.75	33.079518	-47.491424	-19.937677	16.75	-54.437610	26.356922	7.754022
2.00	35.792268	-45.734302	-18.847258	17.00	-56.055676	23.717329	6.334130
2.25	38.389707	-43.832259	-17.697153	17.25	-57.495245	21.003189	4.894485
2.50	40.862589	-41.790156	-16.490545	17.50	-58.753622	18.223685	3.439767
2.75	43.201903	-39.613362	-15.230844	17.75	-59.828681	15.387995	1.974605
3.00	45.398912	-37.307758	-13.921680	18.00	-60.718843	12.505275	0.503565
3.25	47.445182	-34.879735	-12.566905	18.25	-61.423058	9.584633	-0.968858
3.50	49.332619	-32.336188	-11.170580	18.50	-61.940787	6.635116	-2.438244
3.75	51.053508	-29.684511	-9.736979	18.75	-62.271983	3.665694	-3.900254
4.00	52.600547	-26.932593	-8.270572	19.00	-62.417073	0.685245	-5.350640
4.25	53.966887	-24.088807	-6.776026	19.25	-62.376940	-2.297457	-6.785243
4.50	55.146173	-21.161995	-5.258189	19.50	-62.152914	-5.273751	-8.199999
4.75	56.132585	-18.161460	-3.722083	19.75	-61.746750	-8.235099	-9.590944
5.00	56.920877	-15.096940	-2.172889	20.00	-61.160620	-11.173097	-10.954217
5.25	57.506419	-11.978596	-0.615937	20.25	-60.397100	-14.079482	-12.286061
5.50	57.885242	-8.816981	0.943316	20.50	-59.459157	-16.946140	-13.582825
5.75	58.054080	-5.623013	2.499296	20.75	-58.350143	-19.765112	-14.840972
6.00	58.010406	-2.407942	4.046338	21.00	-57.073781	-22.528603	-16.057077
6.25	57.752475	0.816686	5.578705	21.25	-55.634162	-25.228991	-17.227830
6.50	57.279364	4.039072	7.090612	21.50	-54.035733	-27.858830	-18.350041
6.75	56.591007	7.247214	8.576251	21.75	-52.283294	-30.410865	-19.420644
7.00	55.688223	10.428954	10.029823	22.00	-50.381989	-32.878033	-20.436698
7.25	54.572747	13.572038	11.445564	22.25	-48.337299	-35.253477	-21.395393
7.50	53.247253	16.664176	12.817776	22.50	-46.155039	-37.530558	-22.294051
7.75	51.715373	19.693111	14.140864	22.75	-43.841352	-39.702853	-23.130135
8.00	49.981703	22.646683	15.409370	23.00	-41.402698	-41.764182	-23.901249
8.25	48.051806	25.512907	16.618006	23.25	-38.845857	-43.708606	-24.605146
8.50	45.932213	28.280047	17.761692	23.50	-36.177910	-45.530448	-25.239733
8.75	43.630400	30.936692	18.835592	23.75	-33.406245	-47.224302	-25.803075
9.00	41.154771	33.471836	19.835147	24.00	-30.538539	-48.785044	-26.293402
9.25	38.514620	35.874954	20.756115	24.25	-27.582753	-50.207852	-26.709112
9.50	35.720089	38.136077	21.594596	24.50	-24.547124	-51.488216	-27.048785
9.75	32.782117	40.245866	22.347068	24.75	-21.440151	-52.621954	-27.311178
10.00	29.712374	42.195679	23.010413	25.00	-18.270585	-53.605227	-27.495242
10.25	26.523196	43.977633	23.581938	25.25	-15.047415	-54.434557	-27.600120
10.50	23.227498	45.584661	24.059397	25.50	-11.779853	-55.106839	-27.625159
10.75	19.838700	47.010557	24.441008	25.75	-8.477319	-55.619359	-27.569912
11.00	16.370626	48.250020	24.725460	26.00	-5.149422	-55.969809	-27.434146
11.25	12.837416	49.298679	24.911923	26.25	-1.805940	-56.156302	-27.217848
11.50	9.253429	50.153114	25.000042	26.50	1.543199	-56.177388	-26.921229
11.75	5.633144	50.810867	24.989943	26.75	4.887940	-56.032067	-26.544729
12.00	1.991066	51.270442	24.882215	27.00	8.218126	-55.719802	-26.089022
12.25	-1.658371	51.531293	24.677900	27.25	11.523522	-55.240536	-25.555021
12.50	-5.300891	51.593806	24.378480	27.50	14.793846	-54.594697	-24.943875
12.75	-8.922462	51.459272	23.985848	27.75	18.018792	-53.783214	-24.256981
13.00	-12.509373	51.129853	23.502289	28.00	21.188066	-52.807525	-23.495978
13.25	-16.048311	50.608538	22.930453	28.25	24.291410	-51.669582	-22.662751
13.50	-19.526417	49.899097	22.273327	28.50	27.318642	-50.371860	-21.759431
13.75	-22.931348	49.006030	21.534203	28.75	30.259684	-48.917363	-20.788392
14.00	-26.251322	47.934513	20.716648	29.00	33.104601	-47.309620	-19.752254
14.25	-29.475159	46.690340	19.824474	29.25	35.843627	-45.552696	-18.653874
14.50	-32.592309	45.279868	18.861709	29.50	38.467214	-43.651180	-17.496348
14.75	-35.592881	43.709955	17.832561	29.75	40.966055	-41.610192	-16.283000
15.00	-38.467655	41.987908	16.741398	30.00	43.331130	-39.435372	-15.017382
15.25	-41.208094	40.121425	15.592710	30.25	45.553737	-37.132873	-13.703265
15.50	-43.806346	38.118543	14.391093	30.50	47.625529	-34.709354	-12.344630
15.75	-46.255247	35.987583	13.141218	30.75	49.538556	-32.171968	-10.945660

JULY 1972

DAY	X	Y	Z	DAY	X	Y	Z
1.00	51.285292	-29.528346	-9.510732	17.00	-61.512796	-7.228699	-9.168654
1.25	52.858681	-26.786586	-8.044402	17.25	-61.001955	-10.196290	-10.552154
1.50	54.252164	-23.955229	-6.551394	17.50	-60.311150	-13.133197	-11.904236
1.75	55.459718	-21.043241	-5.036592	17.75	-59.443373	-16.031094	-13.221159
2.00	56.475890	-18.059994	-3.505018	18.00	-58.402005	-18.881841	-14.499312
2.25	57.295827	-15.015235	-1.961822	18.25	-57.190806	-21.677492	-15.735210
2.50	57.915313	-11.919062	-0.412266	18.50	-55.813900	-24.410296	-16.925499
2.75	58.330793	-8.781892	1.138296	18.75	-54.275765	-27.072710	-18.066955
3.00	58.539408	-5.614433	2.684435	19.00	-52.581222	-29.657400	-19.156488
3.25	58.539021	-2.427644	4.220666	19.25	-50.735421	-32.157246	-20.191142
3.50	58.328238	0.767301	5.741469	19.50	-48.743842	-34.565350	-21.168097
3.75	57.906440	3.959049	7.241310	19.75	-46.612279	-36.875040	-22.084672
4.00	57.273796	7.136114	8.714662	20.00	-44.346836	-39.079877	-22.938329
4.25	56.431286	10.286923	10.156033	20.25	-41.953922	-41.173665	-23.726672
4.50	55.380715	13.399858	11.559982	20.50	-39.440241	-43.150452	-24.447453
4.75	54.124725	16.463311	12.921154	20.75	-36.812793	-45.004545	-25.098574
5.00	52.666801	19.465735	14.234298	21.00	-34.078862	-46.730515	-25.678092
5.25	51.011278	22.395694	15.494297	21.25	-31.246014	-48.323211	-26.184224
5.50	49.163337	25.241923	16.696194	21.50	-28.322091	-49.777766	-26.615350
5.75	47.129002	27.993386	17.835220	21.75	-25.315202	-51.089615	-26.970019
6.00	44.915126	30.639331	18.906819	22.00	-22.233721	-52.254502	-27.246954
6.25	42.529373	33.169349	19.906677	22.25	-19.086273	-53.268498	-27.445059
6.50	39.980200	35.573439	20.830749	22.50	-15.881731	-54.128015	-27.563427
6.75	37.276822	37.842059	21.675281	22.75	-12.629201	-54.829820	-27.601340
7.00	34.429181	39.966191	22.436841	23.00	-9.338013	-55.371053	-27.558285
7.25	31.447899	41.937392	23.112333	23.25	-6.017709	-55.749245	-27.433952
7.50	28.344233	43.747850	23.699029	23.50	-2.678025	-55.962330	-27.228249
7.75	25.130017	45.390433	24.194580	23.75	0.671127	-56.008670	-26.941302
8.00	21.817606	46.858738	24.597035	24.00	4.019673	-55.887067	-26.573466
8.25	18.419807	48.147127	24.904857	24.25	7.357400	-55.596784	-26.125330
8.50	14.949806	49.250770	25.116931	24.50	10.673984	-55.137560	-25.597725
8.75	11.421100	50.165666	25.232574	24.75	13.959011	-54.509629	-24.991725
9.00	7.847412	50.888674	25.251536	25.00	17.202008	-53.713735	-24.308659
9.25	4.242615	51.417528	25.174003	25.25	20.392472	-52.751145	-23.550108
9.50	0.620650	51.750838	25.000591	25.50	23.519905	-51.623665	-22.717914
9.75	-3.004555	51.888100	24.732343	25.75	26.573847	-50.333652	-21.814179
10.00	-6.619169	51.829686	24.370713	26.00	29.543917	-48.884020	-20.841269
10.25	-10.209529	51.576827	23.917557	26.25	32.419848	-47.278251	-19.801812
10.50	-13.762224	51.131598	23.375113	26.50	35.191532	-45.520400	-18.698694
10.75	-17.264160	50.496885	22.745980	26.75	37.849061	-43.615092	-17.535062
11.00	-20.702629	49.676353	22.033101	27.00	40.382770	-41.567529	-16.314316
11.25	-24.065370	48.674407	21.239730	27.25	42.783283	-39.383481	-15.040103
11.50	-27.340624	47.496149	20.369414	27.50	45.041558	-37.069279	-13.716309
11.75	-30.517179	46.147328	19.425960	27.75	47.148932	-34.631805	-12.347051
12.00	-33.584417	44.634291	18.413410	28.00	49.097165	-32.078477	-10.936666
12.25	-36.532345	42.963930	17.336010	28.25	50.878487	-29.417233	-9.489696
12.50	-39.351623	41.143627	16.198184	28.50	52.485638	-26.656506	-8.010876
12.75	-42.033582	39.181203	15.004503	28.75	53.911911	-23.805202	-6.505115
13.00	-44.570247	37.084859	13.759659	29.00	55.151193	-20.872670	-4.977484
13.25	-46.954334	34.863126	12.468440	29.25	56.198002	-17.868673	-3.433192
13.50	-49.179264	32.524815	11.135700	29.50	57.047520	-14.803347	-1.877568
13.75	-51.239151	30.078962	9.766344	29.75	57.695629	-11.687173	-0.316042
14.00	-53.128802	27.534788	8.365296	30.00	58.138937	-8.530927	1.245882
14.25	-54.843705	24.901647	6.937486	30.25	58.374804	-5.345643	2.802644
14.50	-56.380011	22.188995	5.487829	30.50	58.401364	-2.142567	4.348654
14.75	-57.734524	19.406342	4.021206	30.75	58.217546	1.066889	5.878316
15.00	-58.904679	16.563222	2.542454	31.00	57.823085	4.271197	7.386053
15.25	-59.888521	13.669164	1.056346	31.25	57.218531	7.458758	8.866329
15.50	-60.684685	10.733657	-0.432413	31.50	56.405262	10.617958	10.313677
15.75	-61.292374	7.766131	-1.919203	31.75	55.385478	13.737216	11.722721
16.00	-61.711338	4.775930	-3.399495				
16.25	-61.941848	1.772297	-4.868857				
16.50	-61.984681	-1.235651	-6.322963				
16.75	-61.841091	-4.238927	-7.757595				

AUGUST 1972

DAY	X	Y	Z	DAY	X	Y	Z
1.00	54.162205	16.805033	13.088205	17.00	-37.716159	-44.450677	-24.832676
1.25	52.739285	19.810048	14.405009	17.25	-35.034978	-46.228495	-25.442020
1.50	51.121368	22.741085	15.668183	17.50	-32.253048	-47.873585	-25.978309
1.75	49.313900	25.587208	16.872960	17.75	-29.378066	-49.381063	-26.439905
2.00	47.323096	28.337767	18.014788	18.00	-26.417973	-50.746335	-26.825337
2.25	45.155929	30.982449	19.089344	18.25	-23.380954	-51.965112	-27.133299
2.50	42.820095	33.511328	20.092558	18.50	-20.275427	-53.033417	-27.362658
2.75	40.323987	35.914909	21.020634	18.75	-17.110039	-53.947597	-27.512455
3.00	37.676660	38.184173	21.870065	19.00	-13.893659	-54.704333	-27.581918
3.25	34.887794	40.310622	22.637653	19.25	-10.635372	-55.300657	-27.570455
3.50	31.967651	42.286319	23.320523	19.50	-7.344467	-55.733960	-27.477673
3.75	28.927034	44.103924	23.916142	19.75	-4.030433	-56.002014	-27.303376
4.00	25.777235	45.756735	24.422324	20.00	-0.702943	-56.102981	-27.047572
4.25	22.529987	47.238716	24.837246	20.25	2.628158	-56.035437	-26.710485
4.50	19.197408	48.544526	25.159457	20.50	5.952865	-55.798385	-26.292558
4.75	15.791947	49.669549	25.387885	20.75	9.261033	-55.391276	-25.794462
5.00	12.326323	50.609911	25.521840	21.00	12.542392	-54.814025	-25.217102
5.25	8.813467	51.362501	25.561017	21.25	15.786575	-54.067036	-24.561626
5.50	5.266456	51.924982	25.505501	21.50	18.983138	-53.151213	-23.829429
5.75	1.698454	52.295800	25.355760	21.75	22.121588	-52.067986	-23.022164
6.00	-1.877353	52.474190	25.112644	22.00	25.191418	-50.819322	-22.141741
6.25	-5.447821	52.460173	24.777376	22.25	28.182136	-49.407750	-21.190338
6.50	-8.999913	52.254548	24.351547	22.50	31.083303	-47.836367	-20.170402
6.75	-12.520758	51.858887	23.837101	22.75	33.884577	-46.108860	-19.084654
7.00	-15.997713	51.275514	23.236327	23.00	36.575751	-44.229509	-17.936086
7.25	-19.418422	50.507489	22.551838	23.25	39.146802	-42.203202	-16.727965
7.50	-22.770872	49.558577	21.786557	23.50	41.587940	-40.035436	-15.463829
7.75	-26.043442	48.433227	20.943699	23.75	43.889657	-37.732319	-14.147481
8.00	-29.224957	47.136532	20.026749	24.00	46.042781	-35.300567	-12.782987
8.25	-32.304727	45.674197	19.039439	24.25	48.038529	-32.747496	-11.374665
8.50	-35.272592	44.052497	17.985730	24.50	49.868562	-30.081012	-9.927073
8.75	-38.118954	42.278237	16.869783	24.75	51.525039	-27.309591	-8.444998
9.00	-40.834808	40.358707	15.695938	25.00	53.000673	-24.442258	-6.933439
9.25	-43.411770	38.301637	14.468691	25.25	54.288784	-21.488557	-5.397589
9.50	-45.842093	36.115150	13.192667	25.50	55.383345	-18.458524	-3.842814
9.75	-48.118687	33.807714	11.872595	25.75	56.279037	-15.362642	-2.274633
10.00	-50.235124	31.388098	10.513292	26.00	56.971287	-12.211800	-0.698688
10.25	-52.185651	28.865327	9.119629	26.25	57.456315	-9.017247	0.879277
10.50	-53.965182	26.248630	7.696520	26.50	57.731162	-5.790540	2.453447
10.75	-55.569303	23.547405	6.248892	26.75	57.793727	-2.543484	4.017967
11.00	-56.994264	20.771170	4.781674	27.00	57.642785	0.711921	5.566969
11.25	-58.236966	17.929528	3.299770	27.25	57.278010	3.963544	7.094604
11.50	-59.294951	15.032126	1.808051	27.50	56.699982	7.199188	8.595076
11.75	-60.166385	12.088622	0.311332	27.75	55.910195	10.406650	10.062670
12.00	-60.850043	9.108653	-1.185638	28.00	54.911053	13.573790	11.491783
12.25	-61.345288	6.101803	-2.678189	28.25	53.705863	16.688590	12.876957
12.50	-61.652051	3.077576	-4.161744	28.50	52.298815	19.739224	14.212903
12.75	-61.770809	0.045374	-5.631824	28.75	50.694968	22.714114	15.494535
13.00	-61.702568	-2.985529	-7.084062	29.00	48.900216	25.601993	16.716991
13.25	-61.448834	-6.006003	-8.514205	29.25	46.921261	28.391959	17.875656
13.50	-61.011597	-9.007081	-9.918126	29.50	44.765571	31.073530	18.966192
13.75	-60.393308	-11.979975	-11.291824	29.75	42.441340	33.636693	19.984549
14.00	-59.596856	-14.916086	-12.631432	30.00	39.957444	36.071952	20.926988
14.25	-58.625551	-17.807019	-13.933219	30.25	37.323388	38.370368	21.790096
14.50	-57.483103	-20.644590	-15.193592	30.50	34.549259	40.523599	22.570798
14.75	-56.173608	-23.420837	-16.409103	30.75	31.645671	42.523928	23.266370
15.00	-54.701523	-26.128023	-17.576443	31.00	28.623705	44.364302	23.874446
15.25	-53.071658	-28.758648	-18.692452	31.25	25.494859	46.038344	24.393025
15.50	-51.289158	-31.305449	-19.754115	31.50	22.270986	47.540386	24.820477
15.75	-49.359492	-33.761410	-20.758562	31.75	18.964241	48.865477	25.155545
16.00	-47.288437	-36.119762	-21.703076				
16.25	-45.082069	-38.373989	-22.585087				
16.50	-42.746757	-40.517835	-23.402176				
16.75	-40.289147	-42.545307	-24.152076				

SEPTEMBER 1972

DAY	X	Y	Z	DAY	X	Y	Z
1.00	15.587015	50.009398	25.397342	16.00	-5.370708	-56.310923	-27.352570
1.25	12.151887	50.968671	25.545356	16.25	-2.075691	-56.486225	-27.138216
1.50	8.671561	51.740563	25.599443	16.50	1.225759	-56.494309	-26.843524
1.75	5.158810	52.323088	25.559823	16.75	4.524003	-56.334030	-26.468832
2.00	1.626424	52.715000	25.427072	17.00	7.809273	-56.004654	-26.014688
2.25	-1.912844	52.915795	25.202118	17.25	11.071678	-55.505868	-25.481851
2.50	-5.446334	52.925696	24.886230	17.50	14.301226	-54.837799	-24.871297
2.75	-8.961525	52.745640	24.481006	17.75	17.487833	-54.001027	-24.184229
3.00	-12.446088	52.377271	23.988363	18.00	20.621348	-52.996609	-23.422080
3.25	-15.887929	51.822912	23.410525	18.25	23.691573	-51.826093	-22.586525
3.50	-19.275236	51.085554	22.750007	18.50	26.688282	-50.491535	-21.679479
3.75	-22.596524	50.168826	22.009602	18.75	29.601257	-48.995525	-20.703113
4.00	-25.840669	49.076974	21.192364	19.00	32.420311	-47.341194	-19.659853
4.25	-28.996952	47.814833	20.301592	19.25	35.135328	-45.532242	-18.552385
4.50	-32.055090	46.387798	19.340812	19.50	37.736297	-43.572945	-17.383665
4.75	-35.005270	44.801790	18.313762	19.75	40.213355	-41.468175	-16.156914
5.00	-37.838179	43.063230	17.224370	20.00	42.556832	-39.223408	-14.875625
5.25	-40.545030	41.178995	16.076735	20.25	44.757300	-36.844734	-13.543562
5.50	-43.117582	39.156392	14.875112	20.50	46.805624	-34.338865	-12.164755
5.75	-45.548166	37.003118	13.623889	20.75	48.693018	-31.713132	-10.743497
6.00	-47.829699	34.727219	12.327569	21.00	50.411102	-28.975482	-9.284338
6.25	-49.955696	32.337060	10.990751	21.25	51.951961	-26.134474	-7.792077
6.50	-51.920283	29.841280	9.618110	21.50	53.308208	-23.199259	-6.271745
6.75	-53.718205	27.248760	8.214378	21.75	54.473044	-20.179565	-4.728592
7.00	-55.344827	24.568580	6.784326	22.00	55.440320	-17.085665	-3.168070
7.25	-56.796139	21.809985	5.332749	22.25	56.204597	-13.928345	-1.595809
7.50	-58.068751	18.982351	3.864442	22.50	56.761204	-10.718865	-0.017594
7.75	-59.159890	16.095142	2.384189	22.75	57.106292	-7.468909	1.560663
8.00	-60.067393	13.157883	0.896748	23.00	57.236884	-4.190532	3.132955
8.25	-60.789699	10.180126	-0.593172	23.25	57.150921	-0.896099	4.693209
8.50	-61.325835	7.171413	-2.080913	23.50	56.847296	2.401782	6.235326
8.75	-61.675403	4.141253	-3.561891	23.75	56.325887	5.690330	7.753214
9.00	-61.838566	1.099091	-5.031605	24.00	55.587578	8.956667	9.240826
9.25	-61.816033	-1.945719	-6.485644	24.25	54.634271	12.187896	10.692202
9.50	-61.609037	-4.983935	-7.919703	24.50	53.468890	15.371186	12.101502
9.75	-61.219319	-8.006454	-9.329588	24.75	52.095371	18.493844	13.463051
10.00	-60.649110	-11.004328	-10.711227	25.00	50.518649	21.543405	14.771368
10.25	-59.901108	-13.968786	-12.060673	25.25	48.744632	24.507709	16.021209
10.50	-58.978463	-16.891248	-13.374115	25.50	46.780162	27.374973	17.207594
10.75	-57.884750	-19.763341	-14.647879	25.75	44.632974	30.133870	18.325843
11.00	-56.623958	-22.576913	-15.878435	26.00	42.311643	32.773592	19.371598
11.25	-55.200463	-25.324043	-17.062400	26.25	39.825525	35.283915	20.340851
11.50	-53.619014	-27.997053	-18.196541	26.50	37.184694	37.655252	21.229964
11.75	-51.884713	-30.588516	-19.277779	26.75	34.399874	39.878703	22.035685
12.00	-50.003000	-33.091264	-20.303190	27.00	31.482360	41.946098	22.755158
12.25	-47.979632	-35.498395	-21.270006	27.25	28.443953	43.850026	23.385940
12.50	-45.820674	-37.803278	-22.175616	27.50	25.296875	45.583867	23.926000
12.75	-43.532477	-39.999559	-23.017572	27.75	22.053698	47.141807	24.373721
13.00	-41.121671	-42.081168	-23.793583	28.00	18.727264	48.518853	24.727906
13.25	-38.595148	-44.042319	-24.501521	28.25	15.330617	49.710838	24.987763
13.50	-35.960055	-45.877518	-25.139420	28.50	11.876926	50.714419	25.152910
13.75	-33.223778	-47.581566	-25.705478	28.75	8.379417	51.527071	25.223356
14.00	-30.393935	-49.149564	-26.198057	29.00	4.851309	52.147081	25.199494
14.25	-27.478366	-50.576917	-26.615685	29.25	1.305752	52.573524	25.082090
14.50	-24.485127	-51.859338	-26.957058	29.50	-2.244231	52.806252	24.872264
14.75	-21.422477	-52.992858	-27.221039	29.75	-5.785801	52.845865	24.571476
15.00	-18.298877	-53.973829	-27.406668	30.00	-9.306346	52.693689	24.181511
15.25	-15.122978	-54.798929	-27.513155	30.25	-12.793534	52.351748	23.704461
15.50	-11.903614	-55.465177	-27.539890	30.50	-16.235347	51.822734	23.142703
15.75	-8.649796	-55.969935	-27.486443	30.75	-19.620127	51.109977	22.498893

OCTOBER 1972

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-22.936602	50.217413	21.775928	17.00	39.283165	-43.169889	-16.783400
1.25	-26.173921	49.149549	20.976946	17.25	41.658032	-41.019431	-15.553223
1.50	-29.321682	47.911436	20.105299	17.50	43.896687	-38.733411	-14.271625
1.75	-32.369951	46.508629	19.164537	17.75	45.990172	-36.317775	-12.942240
2.00	-35.309288	44.947158	18.158390	18.00	47.929787	-33.779045	-11.568949
2.25	-38.130763	43.233491	17.090748	18.25	49.707128	-31.124322	-10.155880
2.50	-40.825972	41.374507	15.965649	18.50	51.314148	-28.361294	-8.707402
2.75	-43.387052	39.377456	14.787259	18.75	52.743201	-25.498232	-7.228124
3.00	-45.806688	37.249931	13.559853	19.00	53.987101	-22.543990	-5.722882
3.25	-48.078130	34.999833	12.287803	19.25	55.039184	-19.507993	-4.196739
3.50	-50.195190	32.635342	10.975560	19.50	55.893361	-16.400225	-2.654962
3.75	-52.152256	30.164882	9.627639	19.75	56.544187	-13.231203	-1.103014
4.00	-53.944292	27.597095	8.248604	20.00	56.986919	-10.011957	0.453471
4.25	-55.566838	24.940803	6.843054	20.25	57.217578	-6.753987	2.008705
4.50	-57.016014	22.204986	5.415606	20.50	57.233011	-3.469225	3.556773
4.75	-58.288515	19.398747	3.970885	20.75	57.030945	-0.169981	5.091664
5.00	-59.381611	16.531287	2.513506	21.00	56.610040	3.131112	6.607302
5.25	-60.293140	13.611873	1.048068	21.25	55.969938	6.421162	8.097581
5.50	-61.021503	10.649814	-0.420869	21.50	55.111298	9.687098	9.556405
5.75	-61.565656	7.654432	-1.888784	21.75	54.035835	12.915740	10.977722
6.00	-61.925105	4.635037	-3.351216	22.00	52.746331	16.093894	12.355575
6.25	-62.099891	1.600905	-4.803770	22.25	51.246658	19.208430	13.684137
6.50	-62.090582	-1.438754	-6.242130	22.50	49.541768	22.246380	14.957758
6.75	-61.898259	-4.474811	-7.662066	22.75	47.637689	25.195029	16.171006
7.00	-61.524506	-7.498244	-9.059447	23.00	45.541492	28.042014	17.318711
7.25	-60.971391	-10.500159	-10.430246	23.25	43.261262	30.775403	18.396002
7.50	-60.241457	-13.471807	-11.770550	23.50	40.806045	33.383796	19.398347
7.75	-59.337702	-16.404608	-13.076568	23.75	38.185791	35.856396	20.321582
8.00	-58.263564	-19.290164	-14.344637	24.00	35.411282	38.183098	21.161943
8.25	-57.022904	-22.120277	-15.571229	24.25	32.494057	40.354542	21.916091
8.50	-55.619991	-24.886964	-16.752952	24.50	29.446324	42.362187	22.581132
8.75	-54.059482	-27.582472	-17.886565	24.75	26.280867	44.198347	23.154633
9.00	-52.346407	-30.199290	-18.968973	25.00	23.010954	45.856242	23.634626
9.25	-50.486151	-32.730161	-19.997234	25.25	19.650240	47.330018	24.019620
9.50	-48.484433	-35.168090	-20.968565	25.50	16.212665	48.614771	24.308594
9.75	-46.347296	-37.506360	-21.880341	25.75	12.712358	49.706549	24.500998
10.00	-44.081084	-39.738533	-22.730101	26.00	9.163551	50.602357	24.596738
10.25	-41.692431	-41.858465	-23.515549	26.25	5.580474	51.300141	24.596166
10.50	-39.188241	-43.860308	-24.234553	26.50	1.977285	51.798771	24.500063
10.75	-36.575673	-45.738517	-24.885152	26.75	-1.632019	52.098017	24.309614
11.00	-33.862129	-47.487859	-25.465552	27.00	-5.233672	52.198512	24.026397
11.25	-31.055237	-49.103416	-25.974133	27.25	-8.814204	52.101722	23.652348
11.50	-28.162841	-50.580588	-26.409443	27.50	-12.360501	51.809899	23.189746
11.75	-25.192984	-51.915101	-26.770205	27.75	-15.859855	51.326040	22.641178
12.00	-22.153898	-53.103013	-27.055317	28.00	-19.300011	50.653841	22.009524
12.25	-19.053992	-54.140714	-27.263848	28.25	-22.669202	49.797650	21.297921
12.50	-15.901840	-55.024933	-27.395048	28.50	-25.956184	48.762416	20.509743
12.75	-12.706173	-55.752745	-27.448340	28.75	-29.150259	47.553648	19.648577
13.00	-9.475863	-56.321572	-27.423329	29.00	-32.241296	46.177361	18.718196
13.25	-6.219921	-56.729193	-27.319800	29.25	-35.219748	44.640039	17.722539
13.50	-2.947477	-56.973750	-27.137720	29.50	-38.076662	42.948581	16.665685
13.75	0.332220	-57.053752	-26.877241	29.75	-40.803683	41.110266	15.551837
14.00	3.609818	-56.968084	-26.538704	30.00	-43.393065	39.132711	14.385300
14.25	6.875874	-56.716016	-26.122640	30.25	-45.837665	37.023829	13.170464
14.50	10.120857	-56.297216	-25.629774	30.50	-48.130948	34.791797	11.911786
14.75	13.335170	-55.711750	-25.061029	30.75	-50.266978	32.445020	10.613771
15.00	16.509152	-54.960106	-24.417530	31.00	-52.240419	29.992094	9.280964
15.25	19.633102	-54.043194	-23.700606	31.25	-54.046523	27.441785	7.917929
15.50	22.697285	-52.962369	-22.911798	31.50	-55.681127	24.802988	6.529243
15.75	25.691957	-51.719435	-22.052863	31.75	-57.140644	22.084709	5.119476
16.00	28.607375	-50.316666	-21.125776				
16.25	31.433828	-48.756818	-20.132739				
16.50	34.161650	-47.043142	-19.076181				
16.75	36.781257	-45.179403	-17.958767				

NOVEMBER 1972

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-58.422053	19.296036	3.693185	16.00	56.969256	-15.455958	-1.869419
1.25	-59.522889	16.446114	2.254901	16.25	57.508605	-12.313257	-0.351085
1.50	-60.441239	13.544121	0.809122	16.50	57.842649	-9.125387	1.168953
1.75	-61.175723	10.599247	-0.639702	16.75	57.967704	-5.903246	2.685247
2.00	-61.725492	7.620675	-2.087173	17.00	57.880808	-2.658143	4.192227
2.25	-62.090212	4.617556	-3.528956	17.25	57.579774	0.598234	5.684220
2.50	-62.270057	1.598995	-4.960785	17.50	57.063248	3.853862	7.155473
2.75	-62.265696	-1.425973	-6.378476	17.75	56.330753	7.096431	8.600185
3.00	-62.078282	-4.448396	-7.777927	18.00	55.382738	10.313399	10.012536
3.25	-61.709441	-7.459425	-9.155131	18.25	54.220618	13.492054	11.386716
3.50	-61.161264	-10.450332	-10.506180	18.50	52.846813	16.619585	12.716966
3.75	-60.436287	-13.412524	-11.827274	18.75	51.264774	19.683159	13.997614
4.00	-59.537487	-16.337558	-13.114724	19.00	49.478999	22.669999	15.223116
4.25	-58.468267	-19.217163	-14.364960	19.25	47.495051	25.567476	16.388097
4.50	-57.232441	-22.043243	-15.574539	19.50	45.319548	28.363196	17.487392
4.75	-55.834224	-24.807906	-16.740146	19.75	42.960160	31.045093	18.516091
5.00	-54.278218	-27.503464	-17.858602	20.00	40.425570	33.601527	19.469578
5.25	-52.569397	-30.122457	-18.926869	20.25	37.725449	36.021371	20.343574
5.50	-50.713095	-32.657660	-19.942056	20.50	34.870396	38.294105	21.134168
5.75	-48.714989	-35.102098	-20.901419	20.75	31.871883	40.409901	21.837860
6.00	-46.581087	-37.449056	-21.802370	21.00	28.742171	42.359705	22.451581
6.25	-44.317713	-39.692092	-22.642480	21.25	25.494232	44.135303	22.972729
6.50	-41.931490	-41.825048	-23.419478	21.50	22.141652	45.729388	23.399178
6.75	-39.429325	-43.842056	-24.131261	21.75	18.698532	47.135608	23.729306
7.00	-36.818396	-45.737553	-24.775893	22.00	15.179381	48.348611	23.961988
7.25	-34.106133	-47.506287	-25.351609	22.25	11.599005	49.364070	24.096612
7.50	-31.300207	-49.143324	-25.856817	22.50	7.972398	50.178699	24.133067
7.75	-28.408509	-50.644060	-26.290098	22.75	4.314629	50.790251	24.071742
8.00	-25.439137	-52.004223	-26.650214	23.00	0.640744	51.197526	23.913504
8.25	-22.400385	-53.219885	-26.936103	23.25	-3.034350	51.400334	23.659686
8.50	-19.300719	-54.287465	-27.146884	23.50	-6.695966	51.399475	23.312059
8.75	-16.148769	-55.203734	-27.281858	23.75	-10.329739	51.196699	22.872807
9.00	-12.953309	-55.965825	-27.340508	24.00	-13.921697	50.794660	22.344504
9.25	-9.723248	-56.571234	-27.322504	24.25	-17.458338	50.196866	21.730074
9.50	-6.467610	-57.017828	-27.227697	24.50	-20.926685	49.407621	21.032765
9.75	-3.195521	-57.303848	-27.056127	24.75	-24.314347	48.431966	20.256111
10.00	0.083803	-57.427914	-26.808018	25.00	-27.609556	47.275615	19.403908
10.25	3.361075	-57.389032	-26.483784	25.25	-30.801202	45.944894	18.480168
10.50	6.626945	-57.186598	-26.084026	25.50	-33.878861	44.446680	17.489100
10.75	9.872021	-56.820401	-25.609538	25.75	-36.832808	42.788338	16.435072
11.00	13.086876	-56.290631	-25.061299	26.00	-39.654032	40.977660	15.322587
11.25	16.262070	-55.597884	-24.440485	26.25	-42.334241	39.022811	14.156249
11.50	19.388159	-54.743169	-23.748463	26.50	-44.865856	36.932271	12.940746
11.75	22.455716	-53.727908	-22.986795	26.75	-47.242009	34.714789	11.680822
12.00	25.455340	-52.553953	-22.157240	27.00	-49.456535	32.379333	10.381256
12.25	28.377679	-51.223583	-21.261753	27.25	-51.503954	29.935045	9.046844
12.50	31.213446	-49.739518	-20.302489	27.50	-53.379463	27.391202	7.682380
12.75	33.953435	-48.104924	-19.281806	27.75	-55.078912	24.757181	6.292642
13.00	36.588545	-46.323420	-18.202262	28.00	-56.598792	22.042423	4.882378
13.25	39.109801	-44.399087	-17.066622	28.25	-57.936209	19.256402	3.456292
13.50	41.508375	-42.336477	-15.877854	28.50	-59.088873	16.408602	2.019034
13.75	43.775617	-40.140619	-14.639137	28.75	-60.055071	13.508486	0.575192
14.00	45.903074	-37.817028	-13.353854	29.00	-60.833652	10.565479	-0.870721
14.25	47.882530	-35.371709	-12.025598	29.25	-61.424005	7.588947	-2.314271
14.50	49.706029	-32.811167	-10.658169	29.50	-61.826044	4.588177	-3.751108
14.75	51.365919	-30.142408	-9.255575	29.75	-62.040187	1.572361	-5.176979
15.00	52.854881	-27.372944	-7.822025	30.00	-62.067339	-1.449418	-6.587726
15.25	54.165977	-24.510794	-6.361933	30.25	-61.908878	-4.468199	-7.979294
15.50	55.292687	-21.564483	-4.879906	30.50	-61.566639	-7.475160	-9.347737
15.75	56.228959	-18.543032	-3.380742	30.75	-61.042896	-10.461622	-10.689220

DECEMBER 1972

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-60.340353	-13.419070	-12.000024	17.00	45.362245	29.415416	18.088247
1.25	-59.462126	-16.339156	-13.276547	17.25	42.958084	32.001042	19.057591
1.50	-58.411733	-19.213712	-14.515313	17.50	40.383790	34.461906	19.952289
1.75	-57.193081	-22.034762	-15.712971	17.75	37.648376	36.787349	20.768257
2.00	-55.810453	-24.794528	-16.866300	18.00	34.761749	38.967197	21.501720
2.25	-54.268499	-27.485445	-17.972214	18.25	31.734671	40.991842	22.149252
2.50	-52.572222	-30.100166	-19.027763	18.50	28.578713	42.852319	22.707807
2.75	-50.726969	-32.631575	-20.030138	18.75	25.306196	44.540386	23.174744
3.00	-48.738418	-35.072794	-20.976674	19.00	21.930119	46.048589	23.547861
3.25	-46.612568	-37.417197	-21.864855	19.25	18.464080	47.370329	23.825409
3.50	-44.355728	-39.658418	-22.692315	19.50	14.922191	48.499922	24.006117
3.75	-41.974502	-41.790361	-23.456845	19.75	11.318980	49.432640	24.089199
4.00	-39.475783	-43.807207	-24.156393	20.00	7.669293	50.164757	24.074367
4.25	-36.866736	-45.703432	-24.789070	20.25	3.988185	50.693566	23.961828
4.50	-34.154786	-47.473809	-25.353153	20.50	0.290814	51.017404	23.752285
4.75	-31.347608	-49.113423	-25.847090	20.75	-3.407664	51.135648	23.446928
5.00	-28.453109	-50.617680	-26.269496	21.00	-7.092204	51.048713	23.047414
5.25	-25.479417	-51.982313	-26.619168	21.25	-10.747978	50.758026	22.555857
5.50	-22.434866	-53.203398	-26.895078	21.50	-14.360463	50.266004	21.974796
5.75	-19.327980	-54.277356	-27.096380	21.75	-17.915544	49.576007	21.307174
6.00	-16.167457	-55.200969	-27.222412	22.00	-21.399587	48.692293	20.556304
6.25	-12.962154	-55.971383	-27.272700	22.25	-24.799520	47.619964	19.725836
6.50	-9.721072	-56.586118	-27.246957	22.50	-28.102892	46.364904	18.819726
6.75	-6.453335	-57.043075	-27.145086	22.75	-31.297933	44.933711	17.842194
7.00	-3.168174	-57.340547	-26.967186	23.00	-34.373595	43.333632	16.797694
7.25	0.125089	-57.477220	-26.713544	23.25	-37.319587	41.572491	15.690871
7.50	3.417060	-57.452183	-26.384647	23.50	-40.126399	39.658619	14.526535
7.75	6.698294	-57.264932	-25.981174	23.75	-42.785322	37.600784	13.309619
8.00	9.959311	-56.915376	-25.504003	24.00	-45.288449	35.408125	12.045149
8.25	13.190616	-56.403842	-24.954205	24.25	-47.628680	33.090086	10.738217
8.50	16.382720	-55.731080	-24.333051	24.50	-49.799714	30.656354	9.393950
8.75	19.526158	-54.898262	-23.642008	24.75	-51.796035	28.116803	8.017482
9.00	22.611508	-53.906993	-22.882735	25.00	-53.612897	25.481438	6.613938
9.25	25.629414	-52.759306	-22.057092	25.25	-55.246306	22.760349	5.188406
9.50	28.570607	-51.457672	-21.167129	25.50	-56.692988	19.963664	3.745921
9.75	31.425922	-50.004996	-20.215092	25.75	-57.950371	17.101508	2.291450
10.00	34.186321	-48.404619	-19.203416	26.00	-59.016555	14.183972	0.829877
10.25	36.842918	-46.660325	-18.134730	26.25	-59.890281	11.221076	-0.634007
10.50	39.386996	-44.776336	-17.011849	26.50	-60.570906	8.222744	-2.095520
10.75	41.810033	-42.757314	-15.837775	26.75	-61.058374	5.198779	-3.550091
11.00	44.103727	-40.608363	-14.615696	27.00	-61.353185	2.158843	-4.993269
11.25	46.260015	-38.335023	-13.348978	27.25	-61.456373	-0.887562	-6.420732
11.50	48.271104	-35.943279	-12.041170	27.50	-61.369475	-3.931111	-7.828286
11.75	50.129493	-33.439547	-10.695993	27.75	-61.094509	-6.962664	-9.211873
12.00	51.828001	-30.830681	-9.317340	28.00	-60.633950	-9.973282	-10.567573
12.25	53.359797	-28.123965	-7.909273	28.25	-59.990710	-12.954235	-11.891605
12.50	54.718430	-25.327109	-6.476012	28.50	-59.168112	-15.897007	-13.180329
12.75	55.897854	-22.448244	-5.021936	28.75	-58.169879	-18.793310	-14.430250
13.00	56.892469	-19.495912	-3.551573	29.00	-57.000108	-21.635082	-15.638016
13.25	57.697145	-16.479062	-2.069593	29.25	-55.663263	-24.414499	-16.800419
13.50	58.307266	-13.407032	-0.580797	29.50	-54.164152	-27.123977	-17.914399
13.75	58.718757	-10.289538	0.909890	29.75	-52.507916	-29.756178	-18.977043
14.00	58.928128	-7.136658	2.397429	30.00	-50.700018	-32.304014	-19.985587
14.25	58.932507	-3.958813	3.876686	30.25	-48.746231	-34.760654	-20.937414
14.50	58.729680	-0.766740	5.342442	30.50	-46.652625	-37.119528	-21.830060
14.75	58.318129	2.428533	6.789409	30.75	-44.425556	-39.374331	-22.661212
15.00	57.697071	5.615720	8.212251	31.00	-42.071659	-41.519033	-23.428713
15.25	56.866496	8.783309	9.605605	31.25	-39.597836	-43.547882	-24.130561
15.50	55.827198	11.919609	10.964100	31.50	-37.011249	-45.455412	-24.764913
15.75	54.580814	15.012793	12.282385	31.75	-34.319306	-47.236449	-25.330086
16.00	53.129853	18.050949	13.555154				
16.25	51.477721	21.022137	14.777177				
16.50	49.628744	23.914453	15.943330				
16.75	47.588183	26.716090	17.048625				

JANUARY 1973

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-31.529656	-48.886122	-25.824564	17.00	-0.497531	51.548897	23.930237
1.25	-28.650177	-50.399869	-26.246993	17.25	-4.157416	51.562539	23.578502
1.50	-25.688966	-51.773447	-26.596192	17.50	-7.802180	51.374147	23.134321
1.75	-22.654327	-53.002938	-26.871152	17.75	-11.417461	50.984845	22.599624
2.00	-19.554761	-54.084763	-27.071041	18.00	-14.989092	50.396701	21.976763
2.25	-16.398955	-55.015691	-27.195205	18.25	-18.503187	49.612705	21.268488
2.50	-13.195765	-55.792845	-27.243174	18.50	-21.946229	48.636745	20.477933
2.75	-9.954204	-56.413717	-27.214666	18.75	-25.305145	47.473569	19.608583
3.00	-6.683432	-56.876177	-27.109585	19.00	-28.567388	46.128741	18.664259
3.25	-3.392731	-57.178480	-26.928032	19.25	-31.720997	44.608595	17.649074
3.50	-0.091494	-57.319281	-26.670300	19.50	-34.754661	42.920173	16.567412
3.75	3.210795	-57.297641	-26.336883	19.75	-37.657768	41.071169	15.423888
4.00	6.504578	-57.113038	-25.928476	20.00	-40.420448	39.069863	14.223318
4.25	9.780246	-56.765374	-25.445976	20.25	-43.033608	36.925054	12.970684
4.50	13.028159	-56.254985	-24.890484	20.50	-45.488954	34.645996	11.671099
4.75	16.238671	-55.582647	-24.263307	20.75	-47.779012	32.242325	10.329776
5.00	19.402148	-54.749583	-23.565961	21.00	-49.897132	29.723997	8.951991
5.25	22.508995	-53.757470	-22.800166	21.25	-51.837491	27.101219	7.543060
5.50	25.549683	-52.608439	-21.967849	21.50	-53.595086	24.384391	6.108305
5.75	28.514773	-51.305084	-21.071144	21.75	-55.165722	21.584043	4.653032
6.00	31.394942	-49.850460	-20.112384	22.00	-56.545997	18.710779	3.182501
6.25	34.181009	-48.248085	-19.094110	22.25	-57.733274	15.775232	1.701912
6.50	36.863967	-46.501942	-18.019056	22.50	-58.725661	12.788008	0.216377
6.75	39.435007	-44.616472	-16.890154	22.75	-59.521982	9.759650	-1.269088
7.00	41.885545	-42.596577	-15.710527	23.00	-60.121740	6.700597	-2.749586
7.25	44.207254	-40.447612	-14.483481	23.25	-60.525096	3.621152	-4.220346
7.50	46.392093	-38.175379	-13.212506	23.50	-60.732826	0.531450	-5.676736
7.75	48.432331	-35.786121	-11.901265	23.75	-60.746295	-2.558565	-7.114269
8.00	50.320579	-33.286512	-10.553586	24.00	-60.567418	-5.639163	-8.528615
8.25	52.049818	-30.683648	-9.173459	24.25	-60.198637	-8.700847	-9.915601
8.50	53.613427	-27.985034	-7.765025	24.50	-59.642880	-11.734366	-11.271217
8.75	55.005210	-25.198573	-6.332569	24.75	-58.903539	-14.730729	-12.591620
9.00	56.219427	-22.332549	-4.880504	25.00	-57.984439	-17.681213	-13.873136
9.25	57.250819	-19.395611	-3.413373	25.25	-56.889812	-20.577376	-15.112256
9.50	58.094635	-16.396757	-1.935825	25.50	-55.624270	-23.411056	-16.305644
9.75	58.746658	-13.345316	-0.452612	25.75	-54.192789	-26.174381	-17.450132
10.00	59.203238	-10.250920	1.031427	26.00	-52.600679	-28.859767	-18.542720
10.25	59.461309	-7.123490	2.511378	26.25	-50.853571	-31.459930	-19.580576
10.50	59.518421	-3.973206	3.982264	26.50	-48.957397	-33.967876	-20.561037
10.75	59.372760	-0.810483	5.439066	26.75	-46.918376	-36.376912	-21.481605
11.00	59.023176	2.354061	6.876731	27.00	-44.742994	-38.680644	-22.339947
11.25	58.469202	5.509630	8.290194	27.25	-42.473798	-40.872978	-23.133895
11.50	57.711079	8.645289	9.674392	27.50	-40.010380	-42.948122	-23.861447
11.75	56.749773	11.749993	11.024286	27.75	-37.467367	-44.900589	-24.520764
12.00	55.586999	14.812632	12.334876	28.00	-34.816408	-46.725199	-25.110172
12.25	54.225232	17.822067	13.601224	28.25	-32.065170	-48.417081	-25.628162
12.50	52.667723	20.767172	14.818477	28.50	-29.221525	-49.971680	-26.073389
12.75	50.918513	23.636883	15.981887	28.75	-26.293543	-51.384756	-26.444679
13.00	48.982440	26.420245	17.086832	29.00	-23.289484	-52.652395	-26.741024
13.25	46.865141	29.106464	18.128848	29.25	-20.217787	-53.771012	-26.961586
13.50	44.573059	31.684957	19.103645	29.50	-17.087066	-54.737359	-27.105702
13.75	42.113431	34.145411	20.007138	29.75	-13.906096	-55.548532	-27.172883
14.00	39.494286	36.477841	20.835472	30.00	-10.683807	-56.201977	-27.162819
14.25	36.724426	38.672644	21.585044	30.25	-7.429272	-56.695506	-27.075383
14.50	33.813404	40.720666	22.252537	30.50	-4.151697	-57.027299	-26.910631
14.75	30.771500	42.613257	22.834935	30.75	-0.860407	-57.195919	-26.668808
15.00	27.609682	44.342331	23.329555	31.00	2.435166	-57.200322	-26.350353
15.25	24.339568	45.900429	23.734070	31.25	5.725500	-57.039865	-25.955899
15.50	20.973373	47.280773	24.046523	31.50	9.000996	-56.714322	-25.486279
15.75	17.523856	48.477319	24.265358	31.75	12.251998	-56.223893	-24.942530
16.00	14.004255	49.484809	24.389427				
16.25	10.428218	50.298816	24.418010				
16.50	6.809724	50.915781	24.350824				
16.75	3.163008	51.333051	24.188030				

FEBRUARY 1973

DAY	X	Y	Z	DAY	X	Y	Z
1.00	15.468815	-55.569213	-24.325894	15.00	-23.741561	48.734128	20.311998
1.25	18.641735	-54.751367	-23.637823	15.25	-26.998345	47.464444	19.410731
1.50	21.761057	-53.771897	-22.879978	15.50	-30.156442	46.018477	18.437408
1.75	24.817109	-52.632811	-22.054236	15.75	-33.204528	44.402325	17.395950
2.00	27.800279	-51.336593	-21.162688	16.00	-36.131834	42.622756	16.290533
2.25	30.701039	-49.886212	-20.207639	16.25	-38.928191	40.687161	15.125561
2.50	33.509978	-48.285124	-19.191612	16.50	-41.584076	38.603509	13.905648
2.75	36.217833	-46.537278	-18.117340	16.75	-44.090653	36.380295	12.635578
3.00	38.815520	-44.647117	-16.987771	17.00	-46.439800	34.026486	11.320289
3.25	41.294169	-42.619583	-15.806059	17.25	-48.624140	31.551464	9.964835
3.50	43.645158	-40.460110	-14.575566	17.50	-50.637059	28.964969	8.574364
3.75	45.860152	-38.174620	-13.299850	17.75	-52.472717	26.277041	7.154086
4.00	47.931133	-35.769521	-11.982662	18.00	-54.126058	23.497965	5.709248
4.25	49.850439	-33.251693	-10.627938	18.25	-55.592809	20.638210	4.245107
4.50	51.610804	-30.628478	-9.239790	18.50	-56.869476	17.708378	2.766905
4.75	53.205388	-27.907666	-7.822494	18.75	-57.953331	14.719149	1.279845
5.00	54.627817	-25.097476	-6.380481	19.00	-58.842403	11.681229	-0.210930
5.25	55.872213	-22.206537	-4.918323	19.25	-59.535453	8.605306	-1.700359
5.50	56.933232	-19.243865	-3.440718	19.50	-60.031955	5.502003	-3.183479
5.75	57.806093	-16.218837	-1.952477	19.75	-60.332067	2.381839	-4.655442
6.00	58.486609	-13.141165	-0.458508	20.00	-60.436608	-0.744811	-6.111531
6.25	58.971214	-10.020862	1.036201	20.25	-60.347023	-3.867744	-7.547171
6.50	59.256991	-6.868213	2.526601	20.50	-60.065353	-6.976965	-8.957939
6.75	59.341694	-3.693738	4.007600	20.75	-59.594206	-10.062709	-10.339575
7.00	59.223770	-0.508159	5.474078	21.00	-58.936722	-13.115464	-11.687988
7.25	58.902376	2.677646	6.920914	21.25	-58.096540	-16.125992	-12.999263
7.50	58.377395	5.852673	8.342999	21.50	-57.077769	-19.085343	-14.269662
7.75	57.649453	9.005841	9.735260	21.75	-55.884957	-21.984869	-15.495632
8.00	56.719919	12.126033	11.092680	22.00	-54.523060	-24.816236	-16.673804
8.25	55.590923	15.202137	12.410319	22.25	-52.997414	-27.571431	-17.800993
8.50	54.265348	18.223091	13.683334	22.50	-51.313707	-30.242767	-18.874202
8.75	52.746840	21.177932	14.907001	22.75	-49.477960	-32.822892	-19.890620
9.00	51.039799	24.055834	16.076734	23.00	-47.496494	-35.304785	-20.847618
9.25	49.149374	26.846164	17.188110	23.25	-45.375916	-37.681766	-21.742754
9.50	47.081452	29.538519	18.236881	23.50	-43.123096	-39.947492	-22.573765
9.75	44.842649	32.122776	19.219004	23.75	-40.745147	-42.095959	-23.338571
10.00	42.440288	34.589139	20.130653	24.00	-38.249411	-44.121500	-24.035269
10.25	39.882381	36.928183	20.968243	24.25	-35.643443	-46.018788	-24.662133
10.50	37.177609	39.130900	21.728445	24.50	-32.934996	-47.782834	-25.217614
10.75	34.335286	41.188740	22.408206	24.75	-30.132011	-49.408987	-25.700337
11.00	31.365337	43.093662	23.004766	25.00	-27.242602	-50.892934	-26.109098
11.25	28.278256	44.838166	23.515673	25.25	-24.275047	-52.230701	-26.442869
11.50	25.085073	46.415344	23.938800	25.50	-21.237782	-53.418654	-26.700792
11.75	21.797307	47.818911	24.272354	25.75	-18.139385	-54.453504	-26.882181
12.00	18.426925	49.043245	24.514896	26.00	-14.988575	-55.332305	-26.986524
12.25	14.986286	50.083422	24.665346	26.25	-11.794197	-56.052461	-27.013481
12.50	11.488092	50.935243	24.722994	26.50	-8.565219	-56.611728	-26.962888
12.75	7.945332	51.595268	24.687507	26.75	-5.310720	-57.008225	-26.834758
13.00	4.371220	52.060834	24.558937	27.00	-2.039886	-57.240433	-26.629281
13.25	0.779132	52.330080	24.337719	27.25	1.238006	-57.307209	-26.346828
13.50	-2.817456	52.401958	24.024676	27.50	4.513593	-57.207790	-25.987956
13.75	-6.405039	52.276247	23.621018	27.75	7.777437	-56.941805	-25.553407
14.00	-9.970145	51.953558	23.128334	28.00	11.020040	-56.509283	-25.044115
14.25	-13.499410	51.435331	22.548586	28.25	14.231856	-55.910666	-24.461206
14.50	-16.979647	50.723832	21.884104	28.50	17.403304	-55.146817	-23.806006
14.75	-20.397908	49.822139	21.137569	28.75	20.524789	-54.219033	-23.080040

RECTANGULAR COORDINATES OF THE MOON 1971-1980

MARCH 1973

DAY	X	Y	Z	DAY	X	Y	Z
1.00	23.586718	-53.129058	-22.285040	17.00	-52.282366	27.559480	7.724764
1.25	26.579522	-51.879094	-21.422943	17.25	-53.959203	24.819049	6.309640
1.50	29.493678	-50.471811	-20.495900	17.50	-55.454457	21.993846	4.872996
1.75	32.319736	-48.910358	-19.506275	17.75	-56.764281	19.094010	3.419852
2.00	35.048344	-47.198375	-18.456647	18.00	-57.885540	16.129818	1.955222
2.25	37.670280	-45.340001	-17.349810	18.25	-58.815804	13.111642	0.484094
2.50	40.176485	-43.339882	-16.188780	18.50	-59.553344	10.049900	-0.988589
2.75	42.558096	-41.203173	-14.976784	18.75	-60.097120	6.955019	-2.457945
3.00	44.806483	-38.935549	-13.717266	19.00	-60.446765	3.837394	-3.919175
3.25	46.913288	-36.543199	-12.413882	19.25	-60.602572	0.707350	-5.367576
3.50	48.870467	-34.032829	-11.070494	19.50	-60.565473	-2.424900	-6.798554
3.75	50.670328	-31.411653	-9.691162	19.75	-60.337017	-5.549281	-8.207642
4.00	52.305580	-28.687390	-8.280143	20.00	-59.919346	-8.655891	-9.590509
4.25	53.769371	-25.868248	-6.841871	20.25	-59.315170	-11.735032	-10.942972
4.50	55.055334	-22.962910	-5.380957	20.50	-58.527743	-14.777233	-12.261004
4.75	56.157633	-19.980514	-3.902166	20.75	-57.560829	-17.773276	-13.540746
5.00	57.071003	-16.930627	-2.410406	21.00	-56.418680	-20.714216	-14.778508
5.25	57.790795	-13.823221	-0.910713	21.25	-55.106005	-23.591398	-15.970781
5.50	58.313011	-10.668636	0.591772	21.50	-53.627942	-26.396477	-17.114237
5.75	58.634346	-7.477545	2.091823	21.75	-51.990027	-29.121425	-18.205734
6.00	58.752218	-4.260915	3.584147	22.00	-50.198172	-31.758550	-19.242320
6.25	58.664804	-1.029959	5.063411	22.25	-48.258632	-34.300500	-20.221230
6.50	58.371059	2.203909	6.524265	22.50	-46.177986	-36.740271	-21.139893
6.75	57.870748	5.429124	7.961369	22.75	-43.963104	-39.071214	-21.995928
7.00	57.164451	8.634026	9.369418	23.00	-41.621128	-41.287039	-22.787146
7.25	56.253586	11.806914	10.743166	23.25	-39.159451	-43.381816	-23.511545
7.50	55.140409	14.936102	12.077459	23.50	-36.585692	-45.349980	-24.167315
7.75	53.828015	18.009977	13.367254	23.75	-33.907677	-47.186330	-24.752830
8.00	52.320335	21.017058	14.607652	24.00	-31.133425	-48.886028	-25.266653
8.25	50.622126	23.946055	15.793919	24.25	-28.271125	-50.444600	-25.707527
8.50	48.738952	26.785921	16.921514	24.50	-25.329125	-51.857937	-26.074379
8.75	46.677165	29.525915	17.986108	24.75	-22.315915	-53.122292	-26.366316
9.00	44.443876	32.155649	18.983611	25.00	-19.240113	-54.234282	-26.582624
9.25	42.046928	34.665146	19.910192	25.25	-16.110457	-55.190885	-26.722764
9.50	39.494855	37.044884	20.762296	25.50	-12.935787	-55.989441	-26.786377
9.75	36.796846	39.285847	21.536660	25.75	-9.725042	-56.627655	-26.773275
10.00	33.962702	41.379563	22.230336	26.00	-6.487243	-57.103593	-26.683447
10.25	31.002785	43.318147	22.840696	26.25	-3.231489	-57.415690	-26.517058
10.50	27.927975	45.094338	23.365449	26.50	0.033056	-57.562747	-26.274445
10.75	24.749613	46.701526	23.802648	26.75	3.297170	-57.543938	-25.956123
11.00	21.479451	48.133786	24.150699	27.00	6.551583	-57.358815	-25.562782
11.25	18.129597	49.385895	24.408370	27.25	9.786987	-57.007309	-25.095291
11.50	14.712456	50.453362	24.574787	27.50	12.994044	-56.489740	-24.554697
11.75	11.240676	51.332437	24.649444	27.75	16.163402	-55.806823	-23.942231
12.00	7.727089	52.020126	24.632200	28.00	19.285697	-54.959676	-23.259308
12.25	4.184654	52.514200	24.523275	28.25	22.351578	-53.949828	-22.507529
12.50	0.626400	52.813200	24.323252	28.50	25.351711	-52.779230	-21.688686
12.75	-2.934632	52.916438	24.033067	28.75	28.276802	-51.450263	-20.804762
13.00	-6.485447	52.823996	23.654009	29.00	31.117609	-49.965750	-19.857938
13.25	-10.013147	52.536716	23.187702	29.25	33.864968	-48.328965	-18.850591
13.50	-13.504992	52.056198	22.636105	29.50	36.509808	-46.543647	-17.785304
13.75	-16.948449	51.384780	22.001496	29.75	39.043181	-44.614007	-16.664858
14.00	-20.331244	50.525524	21.286461	30.00	41.456287	-42.544738	-15.492244
14.25	-23.641417	49.482201	20.493879	30.25	43.740503	-40.341027	-14.270658
14.50	-26.867363	48.259263	19.626909	30.50	45.887414	-38.008561	-13.003503
14.75	-29.997884	46.861819	18.688973	30.75	47.888853	-35.553532	-11.694390
15.00	-33.022231	45.295607	17.683736	31.00	49.736931	-32.982643	-10.347134
15.25	-35.930143	43.566964	16.615093	31.25	51.424084	-30.303111	-8.965754
15.50	-38.711887	41.682789	15.487145	31.50	52.943113	-27.522664	-7.554464
15.75	-41.358293	39.650511	14.304181	31.75	54.287227	-24.649535	-6.117670
16.00	-43.860785	37.478047	13.070659				
16.25	-46.211410	35.173761	11.791181				
16.50	-48.402861	32.746428	10.470472				
16.75	-50.428498	30.205183	9.113364				

APRIL

1973

DAY	X	Y	Z	DAY	X	Y	Z
1.00	55.450093	-21.692458	-4.659960	16.00	-60.769784	-4.930321	-7.989835
1.25	56.425881	-18.660652	-3.186097	16.25	-60.373235	-8.025464	-9.353678
1.50	57.209316	-15.563805	-1.701001	16.50	-59.791310	-11.096877	-10.688912
1.75	57.795723	-12.412051	-0.209738	16.75	-59.026993	-14.135223	-11.991591
2.00	58.181080	-9.215946	1.282499	17.00	-58.083778	-17.131373	-13.257911
2.25	58.362062	-5.986429	2.770406	17.25	-56.965644	-20.076430	-14.484220
2.50	58.336089	-2.734789	4.248595	17.50	-55.677037	-22.961748	-15.667027
2.75	58.101366	0.527384	5.711616	17.75	-54.222843	-25.778953	-16.803008
3.00	57.656927	3.788244	7.153982	18.00	-52.608367	-28.519957	-17.889007
3.25	57.002662	7.035747	8.570200	18.25	-50.839310	-31.176975	-18.922048
3.50	56.139352	10.257711	9.954799	18.50	-48.921741	-33.742539	-19.899333
3.75	55.068690	13.441879	11.302361	18.75	-46.862079	-36.209510	-20.818247
4.00	53.793292	16.575986	12.607557	19.00	-44.667065	-38.571089	-21.676362
4.25	52.316712	19.647829	13.865172	19.25	-42.343741	-40.820821	-22.471436
4.50	50.643438	22.645344	15.070149	19.50	-39.899423	-42.952611	-23.201417
4.75	48.778882	25.556673	16.217609	19.75	-37.341684	-44.960726	-23.864441
5.00	46.729366	28.370242	17.302895	20.00	-34.678326	-46.839798	-24.458835
5.25	44.502095	31.074831	18.321594	20.25	-31.917365	-48.584831	-24.983113
5.50	42.105124	33.659646	19.269568	20.50	-29.067006	-50.191204	-25.435981
5.75	39.547314	36.114384	20.142980	20.75	-26.135623	-51.654671	-25.816329
6.00	36.838287	38.429296	20.938322	21.00	-23.131747	-52.971366	-26.123236
6.25	33.988369	40.595248	21.652430	21.25	-20.064039	-54.137799	-26.355965
6.50	31.008526	42.603771	22.282506	21.50	-16.941280	-55.150859	-26.513961
6.75	27.910305	44.447107	22.826131	21.75	-13.772351	-56.007814	-26.596854
7.00	24.705756	46.118252	23.281280	22.00	-10.566222	-56.706314	-26.604453
7.25	21.407368	47.610986	23.646323	22.25	-7.331933	-57.244382	-26.536745
7.50	18.027987	48.919903	23.920037	22.50	-4.078584	-57.620423	-26.393894
7.75	14.580747	50.040425	24.101605	22.75	-0.815321	-57.833219	-26.176243
8.00	11.078992	50.968819	24.190612	23.00	2.448675	-57.881931	-25.884307
8.25	7.536202	51.702200	24.187045	23.25	5.704204	-57.766098	-25.518777
8.50	3.965924	52.238534	24.091282	23.50	8.942051	-57.485642	-25.080516
8.75	0.381696	52.576629	23.904085	23.75	12.153006	-57.040863	-24.570562
9.00	-3.203014	52.716125	23.626586	24.00	15.327867	-56.432449	-23.990122
9.25	-6.774876	52.657476	23.260276	24.25	18.457458	-55.661474	-23.340582
9.50	-10.320755	52.401933	22.806990	24.50	21.532634	-54.729402	-22.623496
9.75	-13.827770	51.951518	22.268888	24.75	24.544301	-53.638092	-21.840595
10.00	-17.283345	51.308997	21.648439	25.00	27.483421	-52.389805	-20.993786
10.25	-20.675258	50.477849	20.948403	25.25	30.341030	-50.987205	-20.085150
10.50	-23.991681	49.462235	20.171810	25.50	33.108251	-49.433373	-19.116947
10.75	-27.221228	48.266961	19.321946	25.75	35.776310	-47.731802	-18.091617
11.00	-30.352984	46.897448	18.402325	26.00	38.336555	-45.886418	-17.011779
11.25	-33.376539	45.359691	17.416676	26.25	40.780475	-43.901575	-15.880235
11.50	-36.282019	43.660220	16.368920	26.50	43.099716	-41.782071	-14.699971
11.75	-39.060110	41.806066	15.263151	26.75	45.286113	-39.533153	-13.474155
12.00	-41.702078	39.804720	14.103616	27.00	47.331707	-37.160522	-12.206145
12.25	-44.199789	37.664094	12.894695	27.25	49.228776	-34.670341	-10.899478
12.50	-46.545725	35.392485	11.640884	27.50	50.969868	-32.069242	-9.557881
12.75	-48.732996	32.998533	10.346773	27.75	52.547830	-29.364329	-8.185262
13.00	-50.755353	30.491182	9.017030	28.00	53.955844	-26.563179	-6.785710
13.25	-52.607188	27.879647	7.656383	28.25	55.187468	-23.673845	-5.363493
13.50	-54.283548	25.173373	6.269600	28.50	56.236673	-20.704850	-3.923050
13.75	-55.780132	22.381995	4.861473	28.75	57.097889	-17.665186	-2.468984
14.00	-57.093291	19.515308	3.436804	29.00	57.766048	-14.564303	-1.006058
14.25	-58.220029	16.583224	2.000384	29.25	58.236635	-11.412093	0.460819
14.50	-59.157998	13.595743	0.556980	29.50	58.505729	-8.218877	1.926606
14.75	-59.905492	10.562913	-0.888679	29.75	58.570057	-4.995378	3.386143
15.00	-60.461435	7.494803	-2.331919	30.00	58.427044	-1.752695	4.834168
15.25	-60.825377	4.401462	-3.768132	30.25	58.074859	1.497733	6.265340
15.50	-60.997480	1.292894	-5.192794	30.50	57.512460	4.744166	7.674260
15.75	-60.978502	-1.820973	-6.601470	30.75	56.739641	7.974613	9.055495

MAY

1973

DAY	X	Y	Z	DAY	X	Y	Z
1.00	55.757074	11.176881	10.403611	17.00	-37.713970	-44.892347	-23.824859
1.25	54.566338	14.338637	11.713197	17.25	-35.057639	-46.780320	-24.411538
1.50	53.169958	17.447474	12.978904	17.50	-32.302552	-48.536558	-24.929247
1.75	51.571419	20.490981	14.195471	17.75	-29.456859	-50.156405	-25.376698
2.00	49.775188	23.456817	15.357770	18.00	-26.528897	-51.635575	-25.752787
2.25	47.786716	26.332792	16.460835	18.25	-23.527171	-52.970157	-26.056597
2.50	45.612438	29.106951	17.499901	18.50	-20.460335	-54.156617	-26.287395
2.75	43.259756	31.767653	18.470443	18.75	-17.337176	-55.191804	-26.444635
3.00	40.737017	34.303658	19.368208	19.00	-14.166591	-56.072953	-26.527955
3.25	38.053474	36.704213	20.189250	19.25	-10.957574	-56.797682	-26.537175
3.50	35.219248	38.959124	20.929962	19.50	-7.719198	-57.363999	-26.472300
3.75	32.245264	41.058842	21.587104	19.75	-4.460593	-57.770300	-26.333515
4.00	29.143190	42.994524	22.157832	20.00	-1.190938	-58.015372	-26.121183
4.25	25.925364	44.758106	22.639716	20.25	2.080562	-58.098390	-25.835850
4.50	22.604711	46.342353	23.030756	20.50	5.344689	-58.018921	-25.478235
4.75	19.194655	47.740911	23.329402	20.75	8.592227	-57.776920	-25.049234
5.00	15.709030	48.948343	23.534554	21.00	11.813976	-57.372734	-24.549919
5.25	12.161985	49.960156	23.645571	21.25	15.000770	-56.807100	-23.981531
5.50	8.567887	50.772825	23.662269	21.50	18.143485	-56.081145	-23.345484
5.75	4.941229	51.383794	23.584915	21.75	21.233061	-55.196386	-22.643363
6.00	1.296529	51.791481	23.414215	22.00	24.260510	-54.154730	-21.876919
6.25	-2.351752	51.995264	23.151305	22.25	27.216933	-52.958478	-21.048073
6.50	-5.989301	51.995466	22.797732	22.50	30.093533	-51.610322	-20.158909
6.75	-9.602036	51.793326	22.355432	22.75	32.881629	-50.113346	-19.211680
7.00	-13.176176	51.390965	21.826712	23.00	35.572675	-48.471031	-18.208800
7.25	-16.698315	50.791351	21.214223	23.25	38.158268	-46.687254	-17.152850
7.50	-20.155479	49.998254	20.520935	23.50	40.630174	-44.766291	-16.046573
7.75	-23.535185	49.016198	19.750111	23.75	42.980335	-42.712819	-14.892873
8.00	-26.825485	47.850413	18.905279	24.00	45.200896	-40.531919	-13.694816
8.25	-30.015009	46.506783	17.990206	24.25	47.284217	-38.229079	-12.455630
8.50	-33.092994	44.991793	17.008870	24.50	49.222900	-35.810192	-11.178702
8.75	-36.049317	43.312476	15.965435	24.75	51.009807	-33.281567	-9.867577
9.00	-38.874512	41.476362	14.864224	25.00	52.638088	-30.649920	-8.525956
9.25	-41.559790	39.491425	13.709694	25.25	54.101201	-27.922383	-7.157696
9.50	-44.097042	37.366037	12.506411	25.50	55.392946	-25.106503	-5.766804
9.75	-46.478855	35.108911	11.259034	25.75	56.507491	-22.210237	-4.357439
10.00	-48.698507	32.729062	9.972284	26.00	57.439406	-19.241954	-2.933900
10.25	-50.749969	30.235760	8.650932	26.25	58.183693	-16.210428	-1.500626
10.50	-52.627901	27.638486	7.299775	26.50	58.735828	-13.124831	-0.062188
10.75	-54.327647	24.946896	5.923622	26.75	59.091793	-9.994725	1.376718
11.00	-55.845220	22.170775	4.527275	27.00	59.248120	-6.830051	2.811283
11.25	-57.177300	19.320012	3.115517	27.25	59.201926	-3.641109	4.236594
11.50	-58.321217	16.404555	1.693093	27.50	58.950965	-0.438539	5.647649
11.75	-59.274939	13.434388	0.264703	27.75	58.493659	2.766702	7.039373
12.00	-60.037060	10.419495	-1.165018	28.00	57.829148	5.963371	8.406630
12.25	-60.606780	7.369835	-2.591502	28.25	56.957333	9.139975	9.744252
12.50	-60.983898	4.295314	-4.010266	28.50	55.878911	12.284809	11.047055
12.75	-61.168785	1.205760	-5.416919	28.75	54.595419	15.386006	12.309864
13.00	-61.162379	-1.889100	-6.807172	29.00	53.109264	18.431587	13.527543
13.25	-60.966160	-4.979663	-8.176845	29.25	51.423761	21.409521	14.695023
13.50	-60.582136	-8.056473	-9.521875	29.50	49.543153	24.307789	15.807333
13.75	-60.012826	-11.110237	-10.838324	29.75	47.472634	27.114454	16.859634
14.00	-59.261243	-14.131850	-12.122388	30.00	45.218354	29.817736	17.847254
14.25	-58.330872	-17.112405	-13.370400	30.25	42.787432	32.406092	18.765723
14.50	-57.225657	-20.043221	-14.578838	30.50	40.187943	34.868297	19.610811
14.75	-55.949981	-22.915847	-15.744330	30.75	37.428900	37.193530	20.378560
15.00	-54.508644	-25.722089	-16.863658	31.00	34.520230	39.371457	21.065325
15.25	-52.906851	-28.454016	-17.933766	31.25	31.472732	41.392319	21.667807
15.50	-51.150185	-31.103977	-18.951759	31.50	28.298027	43.247012	22.183079
15.75	-49.244597	-33.664614	-19.914912	31.75	25.008497	44.927164	22.608622
16.00	-47.196378	-36.128875	-20.820671				
16.25	-45.012144	-38.490021	-21.666657				
16.50	-42.698816	-40.741642	-22.450669				
16.75	-40.263601	-42.877661	-23.170683				

JUNE

1973

DAY	X	Y	Z	DAY	X	Y	Z
1.00	21.617211	46.425214	22.942349	16.00	-4.529784	-57.814217	-26.333486
1.25	18.137842	47.734470	23.182622	16.25	-1.255112	-58.064044	-26.116527
1.50	14.584579	48.849172	23.328275	16.50	2.022793	-58.152794	-25.827068
1.75	10.972026	49.764538	23.378620	16.75	5.294677	-58.080069	-25.465863
2.00	7.315102	50.476800	23.333457	17.00	8.551282	-57.845870	-25.033843
2.25	3.628931	50.983231	23.193073	17.25	11.783367	-57.450598	-24.532119
2.50	-0.071265	51.282158	22.958237	17.50	14.981721	-56.895056	-23.961977
2.75	-3.770276	51.372963	22.630194	17.75	18.137187	-56.180447	-23.324879
3.00	-7.453005	51.256077	22.210642	18.00	21.240675	-55.308377	-22.622460
3.25	-11.104577	50.932952	21.701722	18.25	24.283181	-54.280851	-21.856525
3.50	-14.710429	50.406038	21.105985	18.50	27.255805	-53.100275	-21.029049
3.75	-18.256403	49.678736	20.426374	18.75	30.149767	-51.769456	-20.142174
4.00	-21.728826	48.755355	19.666186	19.00	32.956426	-50.291596	-19.198206
4.25	-25.114582	47.641050	18.829047	19.25	35.667300	-48.670295	-18.199611
4.50	-28.401179	46.341770	17.918872	19.50	38.274077	-46.909546	-17.149018
4.75	-31.576794	44.864188	16.939838	19.75	40.768641	-45.013735	-16.049208
5.00	-34.630325	43.215635	15.896342	20.00	43.143085	-42.987636	-14.903119
5.25	-37.551420	41.404032	14.792974	20.25	45.389731	-40.836411	-13.713836
5.50	-40.330506	39.437823	13.634479	20.50	47.501151	-38.565605	-12.484594
5.75	-42.958801	37.325907	12.425726	20.75	49.470181	-36.181144	-11.218769
6.00	-45.428327	35.077571	11.171681	21.00	51.289947	-33.689332	-9.919878
6.25	-47.731914	32.702428	9.877371	21.25	52.953882	-31.096845	-8.591576
6.50	-49.863190	30.210357	8.547868	21.50	54.455748	-28.410728	-7.237646
6.75	-51.816577	27.611444	7.188253	21.75	55.789658	-25.638390	-5.862001
7.00	-53.587276	24.915933	5.803603	22.00	56.950101	-22.787597	-4.468678
7.25	-55.171248	22.134173	4.398963	22.25	57.931962	-19.866468	-3.061828
7.50	-56.565199	19.276576	2.979335	22.50	58.730552	-16.883464	-1.645715
7.75	-57.766552	16.353571	1.549654	22.75	59.341630	-13.847382	-0.224708
8.00	-58.773425	13.375573	0.114782	23.00	59.761431	-10.767344	1.196728
8.25	-59.584612	10.352942	-1.320513	23.25	59.986699	-7.652785	2.614038
8.50	-60.199546	7.295959	-2.751564	23.50	60.014707	-4.513436	4.022588
8.75	-60.618284	4.214794	-4.173813	23.75	59.843298	-1.359312	5.417673
9.00	-60.841474	1.119481	-5.582824	24.00	59.470908	1.799309	6.794534
9.25	-60.870337	-1.980100	-6.974288	24.25	58.896599	4.951906	8.148362
9.50	-60.706632	-8.344246	-8.344029	24.50	58.120094	8.087744	9.474322
9.75	-60.352642	-8.153448	-9.688010	24.75	57.141807	11.195900	10.767562
10.00	-59.811144	-11.208406	-11.002339	25.00	55.962872	14.265295	12.023236
10.25	-59.085390	-14.230042	-12.283269	25.25	54.585177	17.284732	13.236518
10.50	-58.179082	-17.209518	-13.527207	25.50	53.011389	20.242939	14.402628
10.75	-57.096354	-20.138241	-14.730713	25.75	51.244983	23.128611	15.516855
11.00	-55.841750	-23.007879	-15.890507	26.00	49.290261	25.930464	16.574576
11.25	-54.420207	-25.810367	-17.003468	26.25	47.152377	28.637285	17.571293
11.50	-52.837031	-28.537922	-18.066635	26.50	44.837347	31.238000	18.502650
11.75	-51.097886	-31.183043	-19.077214	26.75	42.352060	33.721731	19.364472
12.00	-49.208770	-33.738527	-20.032576	27.00	39.704279	36.077868	20.152788
12.25	-47.176002	-36.197474	-20.930263	27.25	36.902635	38.296137	20.863869
12.50	-45.006204	-38.553295	-21.767982	27.50	33.956615	40.366676	21.494255
12.75	-42.706283	-40.799718	-22.543615	27.75	30.876541	42.280112	22.040788
13.00	-40.283416	-42.930797	-23.255216	28.00	27.673533	44.027635	22.500644
13.25	-37.745037	-44.940916	-23.901015	28.25	24.359469	45.601074	22.871362
13.50	-35.098812	-46.824800	-24.479416	28.50	20.946935	46.992968	23.150870
13.75	-32.352634	-48.577519	-24.989001	28.75	17.449159	48.196644	23.337512
14.00	-29.514598	-50.194492	-25.428530	29.00	13.879939	49.206272	23.430071
14.25	-26.592990	-51.671498	-25.796942	29.25	10.253562	50.016932	23.427781
14.50	-23.596267	-53.004676	-26.093358	29.50	6.584715	50.624661	23.330351
14.75	-20.533044	-54.190535	-26.317078	29.75	2.888386	51.026496	23.137962
15.00	-17.412076	-55.225957	-26.467584	30.00	-0.820236	51.220505	22.851283
15.25	-14.242240	-56.108201	-26.544540	30.25	-4.525871	51.205811	22.471460
15.50	-11.032519	-56.834909	-26.547794	30.50	-8.213252	50.982598	22.000115
15.75	-7.791986	-57.404109	-26.477372	30.75	-11.867236	50.552108	21.439331

JULY

1973

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-15.472911	49.916632	20.791636	17.00	40.811844	-44.902542	-16.014997
1.25	-19.015696	49.079477	20.059981	17.25	43.203764	-42.872088	-14.866618
1.50	-22.481443	48.044936	19.247713	17.50	45.468774	-40.717043	-13.675262
1.75	-25.856523	46.818235	18.358548	17.75	47.599456	-38.443131	-12.444233
2.00	-29.127911	45.405483	17.396534	18.00	49.588685	-36.056462	-11.176977
2.25	-32.283257	43.813608	16.366016	18.25	51.429655	-33.563522	-9.877076
2.50	-35.310949	42.050286	15.271602	18.50	53.115895	-30.971166	-8.548246
2.75	-38.200167	40.123873	14.118123	18.75	54.641299	-28.286609	-7.194324
3.00	-40.940920	38.043322	12.910596	19.00	56.000144	-25.517415	-5.819265
3.25	-43.524077	35.818113	11.654185	19.25	57.187111	-22.671484	-4.427133
3.50	-45.941391	33.458173	10.354165	19.50	58.197312	-19.757042	-3.022096
3.75	-48.185507	30.973797	9.015886	19.75	59.026310	-16.782622	-1.608413
4.00	-50.249964	28.375577	7.644742	20.00	59.670139	-13.757057	-0.190428
4.25	-52.129188	25.674333	6.246137	20.25	60.125331	-10.689455	1.227441
4.50	-53.818481	22.881041	4.825460	20.50	60.388933	-7.589189	2.640708
4.75	-55.313999	20.006777	3.388055	20.75	60.458532	-4.465873	4.044836
5.00	-56.612732	17.062654	1.939201	21.00	60.332276	-1.329345	5.435244
5.25	-57.712470	14.059770	0.484088	21.25	60.008897	1.810356	6.807318
5.50	-58.611778	11.009167	-0.972197	21.50	59.487728	4.943016	8.156429
5.75	-59.309957	7.921779	-2.424689	21.75	58.768730	8.058267	9.477940
6.00	-59.807014	4.808401	-3.868557	22.00	57.852504	11.145617	10.767224
6.25	-60.103624	1.679655	-5.299116	22.25	56.740320	14.194480	12.019679
6.50	-60.201094	-1.454040	-6.711833	22.50	55.434127	17.194208	13.230743
6.75	-60.101329	-4.582491	-8.102339	22.75	53.936576	20.134124	14.395913
7.00	-59.806797	-7.695753	-9.466431	23.00	52.251032	23.003558	15.510758
7.25	-59.320494	-10.784147	-10.800081	23.25	50.381591	25.791892	16.570947
7.50	-58.645915	-13.838270	-12.099432	23.50	48.333089	28.488595	17.572259
7.75	-57.787021	-16.849015	-13.360809	23.75	46.111111	31.083274	18.510611
8.00	-56.748208	-19.807572	-14.580712	24.00	43.722001	33.565719	19.382079
8.25	-55.534284	-22.705443	-15.755823	24.25	41.172856	35.925954	20.182916
8.50	-54.150442	-25.534445	-16.883005	24.50	38.471531	38.154293	20.909583
8.75	-52.602232	-28.286715	-17.959299	24.75	35.626627	40.241390	21.558767
9.00	-50.895545	-30.954717	-18.981926	25.00	32.647482	42.178300	22.127408
9.25	-49.036585	-33.531242	-19.948287	25.25	29.544150	43.956539	22.612721
9.50	-47.031856	-36.009414	-20.855961	25.50	26.327373	45.568141	23.012225
9.75	-44.888137	-38.382690	-21.702705	25.75	23.008557	47.005718	23.323761
10.00	-42.612471	-40.644865	-22.486452	26.00	19.599724	48.262522	23.545520
10.25	-40.212145	-42.790072	-23.205312	26.25	16.113471	49.332501	23.676058
10.50	-37.694675	-44.812787	-23.857572	26.50	12.562913	50.210356	23.714321
10.75	-35.067792	-46.707829	-24.441693	26.75	8.961620	50.891592	23.659660
11.00	-32.339428	-48.470364	-24.956312	27.00	5.323553	51.372568	23.511845
11.25	-29.517701	-50.095909	-25.400243	27.25	1.662978	51.650539	23.271077
11.50	-26.610903	-51.580333	-25.772472	27.50	-2.005605	51.723688	22.937997
11.75	-23.627486	-52.919862	-26.072165	27.75	-5.667558	51.591161	22.513686
12.00	-20.576048	-54.111082	-26.298660	28.00	-9.308190	51.253083	21.999670
12.25	-17.465323	-55.150945	-26.451474	28.25	-12.912859	50.710569	21.397912
12.50	-14.304161	-56.036771	-26.530299	28.50	-16.467061	49.965726	20.710803
12.75	-11.101521	-56.766251	-26.535007	28.75	-19.956531	49.021643	19.941150
13.00	-7.866453	-57.337457	-26.465646	29.00	-23.367335	47.882378	19.092159
13.25	-4.608083	-57.748841	-26.322442	29.25	-26.685962	46.552919	18.167408
13.50	-1.335601	-57.999240	-26.105803	29.50	-29.899412	45.039157	17.170827
13.75	1.941759	-58.087884	-25.816313	29.75	-32.995276	43.347832	16.106668
14.00	5.214731	-58.014398	-25.454737	30.00	-35.961811	41.486478	14.979469
14.25	8.474035	-57.778804	-25.022020	30.25	-38.788004	39.463368	13.794026
14.50	11.710396	-57.381529	-24.519285	30.50	-41.463631	37.287439	12.555351
14.75	14.914562	-56.823402	-23.947837	30.75	-43.979298	34.968224	11.268639
15.00	18.077318	-56.105665	-23.309156	31.00	-46.326485	32.515775	9.939232
15.25	21.189510	-55.229967	-22.604902	31.25	-48.497569	29.940589	8.572577
15.50	24.242063	-54.198372	-21.836910	31.50	-50.485840	27.253528	7.174194
15.75	27.226002	-53.013356	-21.007191	31.75	-52.285510	24.465743	5.749641
16.00	30.132469	-51.677809	-20.117927				
16.25	32.952747	-50.195035	-19.171473				
16.50	35.678282	-48.568748	-18.170350				
16.75	38.300703	-46.803073	-17.117242				

AUGUST 1973

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-53.891712	21.588600	4.304478	17.00	60.365619	-4.182571	4.031350
1.25	-55.300490	18.633611	2.844239	17.25	60.258048	-1.026688	5.426131
1.50	-56.508779	15.612360	1.374402	17.50	59.954196	2.131181	6.802447
1.75	-57.514387	12.536445	-0.099637	17.75	59.453668	5.280664	8.155648
2.00	-58.315961	9.417415	-1.572589	18.00	58.756723	8.411278	9.481102
2.25	-58.912962	6.266722	-3.039288	18.25	57.864280	11.512468	10.774208
2.50	-59.305618	3.095665	-4.494715	18.50	56.777936	14.573638	12.030417
2.75	-59.494894	-0.084647	-5.934009	18.75	55.499972	17.584192	13.245244
3.00	-59.482448	-3.263332	-7.352480	19.00	54.033362	20.533564	14.414288
3.25	-59.270590	-6.429773	-8.745621	19.25	52.381773	23.411264	15.533250
3.50	-58.862240	-9.573641	-10.109116	19.50	50.549574	26.206913	16.597953
3.75	-58.260890	-12.684918	-11.438844	19.75	48.541831	28.910289	17.604352
4.00	-57.470559	-15.753919	-12.730886	20.00	46.364305	31.511360	18.548562
4.25	-56.495759	-18.771303	-13.981527	20.25	44.023449	34.000336	19.426869
4.50	-55.341455	-21.728088	-15.187256	20.50	41.526395	36.367705	20.235754
4.75	-54.013030	-24.615658	-16.344769	20.75	38.880944	38.604281	20.971905
5.00	-52.516255	-27.425771	-17.450966	21.00	36.095552	40.701248	21.632241
5.25	-50.857252	-30.150559	-18.502951	21.25	33.179311	42.650200	22.213926
5.50	-49.042470	-32.782534	-19.498030	21.50	30.141922	44.443194	22.714389
5.75	-47.078656	-35.314590	-20.433707	21.75	26.993675	46.072785	23.131338
6.00	-44.972830	-37.739997	-21.307685	22.00	23.745416	47.532076	23.462781
6.25	-42.732266	-40.052406	-22.117859	22.25	20.408510	48.814763	23.707038
6.50	-40.364465	-42.245845	-22.862317	22.50	16.994805	49.915170	23.862757
6.75	-37.877140	-44.314715	-23.539334	22.75	13.516586	50.828295	23.928928
7.00	-35.278199	-46.253793	-24.147372	23.00	9.986530	51.549847	23.904896
7.25	-32.575726	-48.058226	-24.685075	23.25	6.417650	52.076282	23.790369
7.50	-29.777970	-49.723529	-25.151269	23.50	2.823240	52.404835	23.585430
7.75	-26.893327	-51.245588	-25.544959	23.75	-0.783188	52.533552	23.290542
8.00	-23.930331	-52.620657	-25.865327	24.00	-4.387965	52.461310	22.906554
8.25	-20.897637	-53.845354	-26.111732	24.25	-7.977340	52.187841	22.434700
8.50	-17.804016	-54.916667	-26.283706	24.50	-11.537544	51.713746	21.876605
8.75	-14.658338	-55.831952	-26.380957	24.75	-15.054870	51.040502	21.234272
9.00	-11.469563	-56.588935	-26.403366	25.00	-18.515746	50.170468	20.510086
9.25	-8.246732	-57.185713	-26.350986	25.25	-21.906814	49.106875	19.706797
9.50	-4.998951	-57.620758	-26.224046	25.50	-25.215000	47.853823	18.827510
9.75	-1.735382	-57.892920	-26.022946	25.75	-28.427599	46.416255	17.875671
10.00	1.534767	-58.001429	-25.748262	26.00	-31.532343	44.799935	16.855046
10.25	4.802259	-57.945903	-25.400743	26.25	-34.517472	43.011415	15.769700
10.50	8.057839	-57.726348	-24.981314	26.50	-37.371802	41.057998	14.623974
10.75	11.292247	-57.343163	-24.491075	26.75	-40.084790	38.947688	13.422459
11.00	14.496236	-56.797150	-23.931304	27.00	-42.646584	36.689143	12.169965
11.25	17.660584	-56.089510	-23.303454	27.25	-45.048078	34.291614	10.871495
11.50	20.776116	-55.221856	-22.609155	27.50	-47.280956	31.764890	9.532209
11.75	23.833717	-54.196213	-21.850215	27.75	-49.337721	29.119229	8.157396
12.00	26.824355	-53.015022	-21.028619	28.00	-51.211731	26.365292	6.752441
12.25	29.739099	-51.681143	-20.146528	28.25	-52.897212	23.514077	5.322790
12.50	32.569140	-50.197861	-19.206278	28.50	-54.389271	20.576847	3.873922
12.75	35.305816	-48.568884	-18.210383	28.75	-55.683903	17.565064	2.411315
13.00	37.940633	-46.798348	-17.161524	29.00	-56.777983	14.490322	0.940418
13.25	40.465289	-44.890812	-16.062555	29.25	-57.669259	11.364279	-0.533375
13.50	42.871700	-42.851261	-14.916496	29.50	-58.356331	8.198597	-2.004755
13.75	45.152027	-40.685098	-13.726530	29.75	-58.838632	5.004885	-3.468517
14.00	47.298700	-38.398148	-12.495999	30.00	-59.116395	1.794639	-4.919587
14.25	49.304447	-35.996644	-11.228396	30.25	-59.190627	-1.420803	-6.353036
14.50	51.162318	-33.487224	-9.927364	30.50	-59.063069	-4.630310	-7.764100
14.75	52.865718	-30.876919	-8.596685	30.75	-58.736157	-7.822998	-9.148194
15.00	54.408429	-28.173146	-7.240272	31.00	-58.212986	-10.988265	-10.500923
15.25	55.784641	-25.383691	-5.862164	31.25	-57.497265	-14.115826	-11.818092
15.50	56.988977	-22.516695	-4.466516	31.50	-56.593276	-17.195734	-13.095714
15.75	58.016519	-19.580641	-3.057584	31.75	-55.505833	-20.218407	-14.330016
16.00	58.862836	-16.584329	-1.639723				
16.25	59.524009	-13.536862	-0.217366				
16.50	59.996651	-10.447620	1.204981				
16.75	60.277937	-7.326236	2.622755				

SEPTEMBER 1973

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-54.240239	-23.174645	-15.517444	16.00	48.201207	29.024727	17.405128
1.25	-52.802247	-26.055641	-16.654663	16.25	46.026887	31.661854	18.357750
1.50	-51.198021	-28.852997	-17.738558	16.50	43.689786	34.185208	19.244444
1.75	-49.434100	-31.558728	-18.766236	16.75	41.197462	36.585225	20.061738
2.00	-47.517359	-34.165268	-19.735022	17.00	38.558132	38.852739	20.806398
2.25	-45.454980	-36.665471	-20.642460	17.25	35.780651	40.979021	21.475445
2.50	-43.254420	-39.052616	-21.486307	17.50	32.874472	42.955826	22.066173
2.75	-40.923381	-41.320398	-22.264531	17.75	29.849615	44.775435	22.576163
3.00	-38.469784	-43.462934	-22.975307	18.00	26.716628	46.430688	23.003293
3.25	-35.901748	-45.474753	-23.617014	18.25	23.486546	47.915028	23.345753
3.50	-33.227563	-47.350798	-24.188229	18.50	20.170845	49.222527	23.602056
3.75	-30.455671	-49.086414	-24.687725	18.75	16.781395	50.347923	23.771044
4.00	-27.594651	-50.677351	-25.114467	19.00	13.330415	51.286643	23.851899
4.25	-24.653199	-52.119752	-25.467605	19.25	9.830416	52.034832	23.844144
4.50	-21.640114	-53.410156	-25.746474	19.50	6.294151	52.589371	23.747654
4.75	-18.564286	-54.545486	-25.950590	19.75	2.734561	52.947898	23.562651
5.00	-15.434680	-55.523052	-26.079647	20.00	-0.835282	53.108819	23.289710
5.25	-12.260328	-56.340546	-26.133514	20.25	-4.402234	53.071324	22.929759
5.50	-9.050314	-56.996037	-26.112232	20.50	-7.953136	52.835390	22.484071
5.75	-5.813769	-57.487973	-26.016015	20.75	-11.474872	52.401788	21.954266
6.00	-2.559856	-57.815177	-25.845245	21.00	-14.954427	51.772079	21.342300
6.25	0.702234	-57.976852	-25.600475	21.25	-18.378953	50.948613	20.650462
6.50	3.963299	-57.972577	-25.282424	21.50	-21.735819	49.934516	19.881358
6.75	7.214128	-57.802309	-24.891982	21.75	-25.012675	48.733682	19.037906
7.00	10.445520	-57.466389	-24.430206	22.00	-28.197510	47.350754	18.123320
7.25	13.648286	-56.965544	-23.898319	22.25	-31.278704	45.791102	17.141095
7.50	16.813266	-56.300888	-23.297715	22.50	-34.245085	44.060797	16.094991
7.75	19.931343	-55.473929	-22.629959	22.75	-37.085980	42.166583	14.989014
8.00	22.993450	-54.486573	-21.896783	23.00	-39.791265	40.115844	13.827398
8.25	25.990593	-53.341128	-21.100091	23.25	-42.351410	37.916562	12.614582
8.50	28.913860	-52.040313	-20.241959	23.50	-44.757522	35.577282	11.355190
8.75	31.754444	-50.582757	-19.324636	23.75	-47.001384	33.107062	10.054004
9.00	34.503656	-48.985509	-18.350540	24.00	-49.075488	30.515430	8.715945
9.25	37.152952	-47.239042	-17.322265	24.25	-50.973066	27.812327	7.346043
9.50	39.693952	-45.352252	-16.242574	24.50	-52.688111	25.008064	5.949414
9.75	42.118462	-43.329968	-15.114402	24.75	-54.215402	22.113261	4.531234
10.00	44.418502	-41.177451	-13.940854	25.00	-55.550510	19.138792	3.096715
10.25	46.586333	-38.900392	-12.725200	25.25	-56.689814	16.095733	1.651075
10.50	48.614483	-36.504916	-11.470876	25.50	-57.630499	12.995302	0.199517
10.75	50.495776	-33.997576	-10.181476	25.75	-58.370555	9.848808	-1.252794
11.00	52.223368	-31.385351	-8.860750	26.00	-58.908768	6.667591	-2.700759
11.25	53.790773	-28.675638	-7.512594	26.25	-59.244709	3.462972	-4.139363
11.50	55.191896	-25.876243	-6.141049	26.50	-59.378715	0.246206	-5.563696
11.75	56.421070	-22.995368	-4.750288	26.75	-59.311870	-2.971575	-6.968975
12.00	57.473084	-20.041600	-3.344606	27.00	-59.045973	-6.179399	-8.350559
12.25	58.343219	-17.023889	-1.928412	27.25	-58.583520	-9.366505	-9.703965
12.50	59.027281	-13.951533	-0.506216	27.50	-57.927660	-12.522371	-11.024881
12.75	59.521630	-10.834150	0.917386	27.75	-57.082170	-15.636761	-12.309183
13.00	59.823213	-7.681654	2.337725	28.00	-56.051414	-18.699748	-13.552939
13.25	59.929589	-4.504226	3.750075	28.25	-54.840308	-21.701747	-14.752423
13.50	59.838962	-1.312280	5.149670	28.50	-53.454283	-24.633535	-15.904118
13.75	59.550202	1.883571	6.531723	28.75	-51.899242	-27.486275	-17.004722
14.00	59.062865	5.072553	7.891442	29.00	-50.181528	-30.251533	-18.051156
14.25	58.377216	8.243770	9.224053	29.25	-48.307882	-32.921288	-19.040559
14.50	57.494243	11.386249	10.524817	29.50	-46.285405	-35.487947	-19.970294
14.75	56.415668	14.488983	11.789052	29.75	-44.121528	-37.944349	-20.837949
15.00	55.143957	17.540977	13.012157	30.00	-41.823973	-40.283773	-21.641330
15.25	53.682323	20.531295	14.189626	30.25	-39.400722	-42.499936	-22.378464
15.50	52.034727	23.449106	15.317079	30.50	-36.859984	-44.587001	-23.047595
15.75	50.205875	26.283740	16.390272	30.75	-34.210170	-46.539568	-23.647179

OCTOBER 1973

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-31.459864	-48.352677	-24.175883	17.00	2.423886	52.813612	23.196474
1.25	-28.617795	-50.021800	-24.632578	17.25	-1.164815	53.007822	22.933243
1.50	-25.692821	-51.542842	-25.016337	17.50	-4.747992	53.002054	22.583493
1.75	-22.693899	-52.912127	-25.326428	17.75	-8.312294	52.796687	22.148700
2.00	-19.630073	-54.126402	-25.562312	18.00	-11.844511	52.392908	21.630674
2.25	-16.510454	-55.182824	-25.723638	18.25	-15.331635	51.792703	21.031559
2.50	-13.344202	-56.078956	-25.810238	18.50	-18.760910	50.998834	20.353805
2.75	-10.140514	-56.812763	-25.822122	18.75	-22.119897	50.014814	19.600166
3.00	-6.908609	-57.382605	-25.759478	19.00	-25.396516	48.844888	18.773674
3.25	-3.657719	-57.787230	-25.622665	19.25	-28.579097	47.493998	17.877627
3.50	-0.397073	-58.025776	-25.412212	19.50	-31.656429	45.967754	16.915567
3.75	2.864109	-58.097760	-25.128813	19.75	-34.617794	44.272400	15.891265
4.00	6.116627	-58.003082	-24.773327	20.00	-37.453011	42.414778	14.808699
4.25	9.351311	-57.742018	-24.346778	20.25	-40.152468	40.402291	13.672035
4.50	12.559031	-57.315220	-23.850349	20.50	-42.707151	38.242863	12.485608
4.75	15.730704	-56.723718	-23.285381	20.75	-45.108676	35.944897	11.253900
5.00	18.857304	-55.968918	-22.653379	21.00	-47.349310	33.517240	9.981521
5.25	21.929872	-55.052607	-21.956003	21.25	-49.421994	30.969133	8.673184
5.50	24.939529	-53.976951	-21.195075	21.50	-51.320359	28.310171	7.333694
5.75	27.877482	-52.744501	-20.372574	21.75	-53.038741	25.550260	5.967917
6.00	30.735041	-51.358196	-19.490639	22.00	-54.572192	22.699575	4.580766
6.25	33.503629	-49.821367	-18.551570	22.25	-55.916487	19.768511	3.177180
6.50	36.174800	-48.137743	-17.557826	22.50	-57.068131	16.767640	1.762104
6.75	38.740250	-46.311452	-16.512028	22.75	-58.024356	13.707673	0.340469
7.00	41.191842	-44.347032	-15.416959	23.00	-58.783125	10.599408	-1.082828
7.25	43.521620	-42.249431	-14.275563	23.25	-59.343119	7.453692	-2.502938
7.50	45.721831	-40.024013	-13.090943	23.50	-59.703737	4.281378	-3.915080
7.75	47.784952	-37.676561	-11.866368	23.75	-59.865080	1.093283	-5.314561
8.00	49.703712	-35.213283	-10.605260	24.00	-59.827939	-2.099851	-6.696785
8.25	51.471119	-32.640810	-9.311203	24.25	-59.593777	-5.287397	-8.057275
8.50	53.080493	-29.966197	-7.987934	24.50	-59.164713	-8.458878	-9.391684
8.75	54.525494	-27.196923	-6.639340	24.75	-58.543494	-11.604004	-10.695808
9.00	55.800156	-24.340884	-5.269454	25.00	-57.733479	-14.712706	-11.965599
9.25	56.898921	-21.406393	-3.882451	25.25	-56.738609	-17.775166	-13.197176
9.50	57.816676	-18.402163	-2.482635	25.50	-55.563377	-20.781844	-14.386835
9.75	58.548790	-15.337298	-1.074435	25.75	-54.212804	-23.723508	-15.531059
10.00	59.091150	-12.221279	0.337609	26.00	-52.692408	-26.591259	-16.626521
10.25	59.440200	-9.063944	1.748855	26.25	-51.008168	-29.376548	-17.670096
10.50	59.592978	-5.875460	3.154577	26.50	-49.166498	-32.071198	-18.658862
10.75	59.547157	-2.666302	4.549975	26.75	-47.174211	-34.667423	-19.590108
11.00	59.301072	0.552785	5.930199	27.00	-45.038488	-37.157838	-20.461334
11.25	58.853764	3.770816	7.290364	27.25	-42.766845	-39.535475	-21.270252
11.50	58.205003	6.976613	8.625571	27.50	-40.367101	-41.793787	-22.014792
11.75	57.355321	10.158845	9.930930	27.75	-37.847348	-43.926661	-22.693095
12.00	56.306032	13.306079	11.201584	28.00	-35.215918	-45.928421	-23.303520
12.25	55.059256	16.406829	12.432731	28.25	-32.481356	-47.793828	-23.844635
12.50	53.617931	19.449615	13.619654	28.50	-29.652388	-49.518088	-24.315220
12.75	51.985822	22.423020	14.757742	28.75	-26.737898	-51.096846	-24.714262
13.00	50.167526	25.315748	15.842521	29.00	-23.746899	-52.526186	-25.040953
13.25	48.168466	28.116687	16.869679	29.25	-20.688509	-53.802631	-25.294685
13.50	45.994885	30.814975	17.835090	29.50	-17.571929	-54.923136	-25.475046
13.75	43.653823	33.400055	18.734843	29.75	-14.406421	-55.885084	-25.581816
14.00	41.153102	35.861743	19.565264	30.00	-11.201287	-56.686281	-25.614966
14.25	38.501289	38.190284	20.322942	30.25	-7.965853	-57.324951	-25.574648
14.50	35.707666	40.376414	21.004746	30.50	-4.709447	-57.799730	-25.461195
14.75	32.782183	42.411412	21.607852	30.75	-1.441390	-58.109657	-25.275114
15.00	29.735412	44.287150	22.129752	31.00	1.829024	-58.254172	-25.017085
15.25	26.578495	45.996145	22.568277	31.25	5.092540	-58.233110	-24.687953
15.50	23.323088	47.531595	22.921606	31.50	8.339954	-58.046692	-24.288729
15.75	19.981298	48.887425	23.188277	31.75	11.562123	-57.695522	-23.820582
16.00	16.565622	50.058309	23.367195				
16.25	13.088879	51.039704	23.457636				
16.50	9.564145	51.827866	23.459250				
16.75	6.004686	52.419870	23.372064				

NOVEMBER 1973

DAY	X	Y	Z	DAY	X	Y	Z
1.00	14.749981	-57.180583	-23.284840	16.00	-34.470837	43.899562	15.510777
1.25	17.894541	-56.503234	-22.682984	16.25	-37.353279	42.061170	14.431621
1.50	20.986915	-55.665204	-22.016649	16.50	-40.096240	40.066774	13.298987
1.75	24.018315	-54.668591	-21.287617	16.75	-42.690750	37.924792	12.117409
2.00	26.980068	-53.515863	-20.497822	17.00	-45.128558	35.644082	10.891536
2.25	29.863621	-52.209852	-19.649341	17.25	-47.402137	33.233893	9.626117
2.50	32.660558	-50.753758	-18.744399	17.50	-49.504701	30.703810	8.325971
2.75	35.362603	-49.151147	-17.785367	17.75	-51.430202	28.063709	6.995968
3.00	37.961637	-47.405956	-16.774757	18.00	-53.173338	25.323703	5.641008
3.25	40.449708	-45.522489	-15.715228	18.25	-54.729544	22.494103	4.266001
3.50	42.819045	-43.505426	-14.609580	18.50	-56.094990	19.585366	2.875848
3.75	45.062072	-41.359821	-13.460759	18.75	-57.266573	16.608060	1.475424
4.00	47.171423	-39.091108	-12.271852	19.00	-58.241903	13.572819	0.069564
4.25	49.139964	-36.705104	-11.046089	19.25	-59.019295	10.490306	-1.336959
4.50	50.960808	-34.208010	-9.786842	19.50	-59.597751	7.371177	-2.739441
4.75	52.627338	-31.606415	-8.497625	19.75	-59.976947	4.226046	-4.133264
5.00	54.133231	-28.907299	-7.182090	20.00	-60.157216	1.065452	-5.513910
5.25	55.472483	-26.118033	-5.844028	20.25	-60.139530	-2.100172	-6.876968
5.50	56.639436	-23.246380	-4.487363	20.50	-59.925476	-5.260530	-8.218149
5.75	57.628812	-20.300492	-3.116150	20.75	-59.517246	-8.405486	-9.533296
6.00	58.435735	-17.288908	-1.734572	21.00	-58.917606	-11.525097	-10.818390
6.25	59.055776	-14.220547	-0.346931	21.25	-58.129880	-14.609635	-12.069561
6.50	59.484982	-11.104700	1.042358	21.50	-57.157929	-17.649607	-13.283098
6.75	59.719916	-7.951019	2.428775	21.75	-56.006123	-20.635784	-14.455450
7.00	59.757693	-4.769499	3.807707	22.00	-54.679320	-23.559218	-15.583241
7.25	59.596021	-1.570461	5.174460	22.25	-53.182844	-26.411259	-16.663269
7.50	59.233241	1.635471	6.524271	22.50	-51.522458	-29.183579	-17.692513
7.75	58.668366	4.837402	7.852328	22.75	-49.704339	-31.868185	-18.668142
8.00	57.901118	8.024195	9.153785	23.00	-47.735055	-34.457433	-19.587514
8.25	56.931968	11.184514	10.423785	23.25	-45.621535	-36.944045	-20.448179
8.50	55.762168	14.306863	11.657479	23.50	-43.371049	-39.321119	-21.247888
8.75	54.393785	17.379638	12.850053	23.75	-40.991177	-41.582143	-21.984588
9.00	52.829724	20.391183	13.996756	24.00	-38.489786	-43.721002	-22.656430
9.25	51.073757	23.329844	15.092922	24.25	-35.875000	-45.731989	-23.261763
9.50	49.130529	26.184038	16.134004	24.50	-33.155182	-47.609808	-23.799141
9.75	47.005579	28.942316	17.115603	24.75	-30.338898	-49.349585	-24.267319
10.00	44.705334	31.593438	18.033497	25.00	-27.434900	-50.946867	-24.665255
10.25	42.237105	34.126442	18.883675	25.25	-24.452097	-52.397630	-24.992105
10.50	39.609073	36.530725	19.662364	25.50	-21.399530	-53.698277	-25.247224
10.75	36.830262	38.796108	20.366065	25.75	-18.286353	-54.845640	-25.430166
11.00	33.910509	40.912922	20.991572	26.00	-15.121802	-55.836980	-25.540675
11.25	30.860416	42.872067	21.536010	26.25	-11.915181	-56.669985	-25.578690
11.50	27.691306	44.665094	21.996851	26.50	-8.675834	-57.342769	-25.544334
11.75	24.415154	46.284255	22.371939	26.75	-5.413127	-57.853868	-25.437918
12.00	21.044529	47.722575	22.659508	27.00	-2.136429	-58.202233	-25.259931
12.25	17.592511	48.973893	22.858199	27.25	1.144908	-58.387231	-25.011041
12.50	14.072617	50.032911	22.967066	27.50	4.421570	-58.408637	-24.692088
12.75	10.498710	50.895230	22.985589	27.75	7.684289	-58.266628	-24.304081
13.00	6.884920	51.557377	22.913673	28.00	10.923870	-57.961782	-23.848193
13.25	3.245546	52.016820	22.751648	28.25	14.131198	-57.495064	-23.325760
13.50	-0.405027	52.271982	22.500266	28.50	17.297258	-56.867828	-22.738273
13.75	-4.052421	52.322241	22.160688	28.75	20.413142	-56.081809	-22.087377
14.00	-7.682349	52.167916	21.734476	29.00	23.470070	-55.139115	-21.374866
14.25	-11.280704	51.810257	21.223576	29.25	26.459395	-54.042225	-20.602682
14.50	-14.833629	51.251419	20.630300	29.50	29.372621	-52.793982	-19.772905
14.75	-18.327599	50.494431	19.957305	29.75	32.201409	-51.397588	-18.887758
15.00	-21.749485	49.543161	19.207571	30.00	34.973592	-49.856603	-17.949599
15.25	-25.086619	48.402274	18.384377	30.25	37.573185	-48.174938	-16.960920
15.50	-28.326847	47.077189	17.491275	30.50	40.100394	-46.356852	-15.924343
15.75	-31.458581	45.574027	16.532068	30.75	42.511633	-44.406951	-14.842620

DECEMBER 1973

DAY	X	Y	Z	DAY	X	Y	Z
1.00	44.799529	-42.330185	-13.718629	17.00	-59.578140	4.057956	-4.268682
1.25	46.956940	-40.131846	-12.555371	17.25	-59.803325	0.889530	-5.654813
1.50	48.976964	-37.817567	-11.355972	17.50	-59.827323	-2.282266	-7.022081
1.75	50.852953	-35.393320	-10.123678	17.75	-59.652093	-5.447007	-8.366196
2.00	52.578532	-32.865416	-8.861852	18.00	-59.280186	-8.594497	-9.683028
2.25	54.147609	-30.240505	-7.573977	18.25	-58.714716	-11.714795	-10.968613
2.50	55.554397	-27.525575	-6.263648	18.50	-57.959321	-14.798226	-12.219156
2.75	56.793430	-24.727949	-4.934574	18.75	-57.018147	-17.835407	-13.431036
3.00	57.859585	-21.855287	-3.590573	19.00	-55.895810	-20.817253	-14.600810
3.25	58.748103	-18.915580	-2.235571	19.25	-54.597376	-23.734997	-15.725219
3.50	59.454612	-15.917153	-0.873596	19.50	-53.128333	-26.580198	-16.801183
3.75	59.975156	-12.868655	0.491224	19.75	-51.494562	-29.344751	-17.825810
4.00	60.306220	-9.779056	1.854670	20.00	-49.702319	-32.020898	-18.796394
4.25	60.444757	-6.657641	3.212432	20.25	-47.758208	-34.601238	-19.710418
4.50	60.388224	-3.513996	4.560122	20.50	-45.669159	-37.078730	-20.565551
4.75	60.134611	-0.358000	5.893282	20.75	-43.442405	-39.446704	-21.359656
5.00	59.682478	2.800192	7.207390	21.00	-41.085459	-41.698865	-22.090785
5.25	59.030987	5.950170	8.497876	21.25	-38.606096	-43.829302	-22.757178
5.50	58.179937	9.081287	9.760134	21.50	-36.012330	-45.832488	-23.357269
5.75	57.129805	12.182694	10.989536	21.75	-33.312391	-47.703291	-23.889681
6.00	55.881777	15.243363	12.181453	22.00	-30.514711	-49.436973	-24.353229
6.25	54.437784	18.252130	13.331269	22.25	-27.627896	-51.029196	-24.746918
6.50	52.800536	21.197737	14.434409	22.50	-24.660712	-52.476027	-25.069940
6.75	50.973551	24.068874	15.486357	22.75	-21.622061	-53.773938	-25.321678
7.00	48.961180	26.854239	16.482683	23.00	-18.520964	-54.919810	-25.501703
7.25	46.768634	29.542594	17.419073	23.25	-15.366540	-55.910934	-25.609771
7.50	44.401996	32.122826	18.291356	23.50	-12.167985	-56.745013	-25.645824
7.75	41.868237	34.584020	19.095533	23.75	-8.934555	-57.420162	-25.609988
8.00	39.175210	36.915528	19.827811	24.00	-5.675546	-57.934908	-25.502568
8.25	36.331652	39.107046	20.484636	24.25	-2.400273	-58.288191	-25.324051
8.50	33.347163	41.148695	21.062721	24.50	0.881946	-58.479360	-25.075097
8.75	30.232188	43.031099	21.559084	24.75	4.161812	-58.508175	-24.756545
9.00	26.997972	44.745462	21.971071	25.00	7.430060	-58.374801	-24.369401
9.25	23.656519	46.283652	22.296394	25.25	10.677481	-58.079806	-23.914841
9.50	20.220533	47.638273	22.533149	25.50	13.894937	-57.624162	-23.394206
9.75	16.703355	48.802736	22.679847	25.75	17.073380	-57.009233	-22.808999
10.00	13.118873	49.771327	22.735428	26.00	20.203867	-56.236777	-22.160878
10.25	9.481450	50.539258	22.699282	26.25	23.277579	-55.308941	-21.451658
10.50	5.805820	51.102722	22.571255	26.50	26.285836	-54.228251	-20.683302
10.75	2.106994	51.458927	22.351663	26.75	29.220114	-52.997610	-19.857920
11.00	-1.599853	51.606127	22.041285	27.00	32.072057	-51.620293	-18.977765
11.25	-5.299479	51.543632	21.641363	27.25	34.833495	-50.099937	-18.045227
11.50	-8.976691	51.271820	21.153593	27.50	37.496461	-48.440541	-17.062828
11.75	-12.616446	50.792121	20.580112	27.75	40.053198	-46.646452	-16.033223
12.00	-16.203962	50.107004	19.923474	28.00	42.496180	-44.722364	-14.959189
12.25	-19.724807	49.219942	19.186632	28.25	44.818120	-42.673311	-13.843626
12.50	-23.165002	48.135378	18.372910	28.50	47.011988	-40.504657	-12.689551
12.75	-26.511096	46.858667	17.485972	28.75	49.071024	-38.222096	-11.500094
13.00	-29.750250	45.396027	16.529792	29.00	50.988748	-35.831637	-10.278493
13.25	-32.870299	43.754475	15.508619	29.25	52.758976	-33.339605	-9.028090
13.50	-35.859809	41.941756	14.426943	29.50	54.375835	-30.752633	-7.752330
13.75	-38.708127	39.966275	13.289457	29.75	55.833774	-28.077651	-6.454752
14.00	-41.405413	37.837023	12.101028	30.00	57.127583	-25.321886	-5.138989
14.25	-43.942673	35.563504	10.866654	30.25	58.252402	-22.492854	-3.808760
14.50	-46.311770	33.155664	9.591440	30.50	59.203743	-19.598349	-2.467869
14.75	-48.505438	30.623815	8.280557	30.75	59.977502	-16.664442	-1.120199
15.00	-50.517284	27.978570	6.939221	31.00	60.569978	-13.645469	0.230294
15.25	-52.341780	25.230775	5.572660	31.25	60.977893	-10.604027	1.579585
15.50	-53.974257	22.391448	4.186087	31.50	61.198408	-7.530962	2.923585
15.75	-55.410882	19.471717	2.784680	31.75	61.229146	-4.435362	4.258150
16.00	-56.648645	16.482772	1.373561				
16.25	-57.685330	13.435807	-0.042228				
16.50	-58.519491	10.341983	-1.457738				
16.75	-59.150425	7.212378	-2.868129				

JANUARY 1974

DAY	X	Y	Z	DAY	X	Y	Z
1.00	61.068212	-1.326543	5.579084	17.00	-43.205413	-39.327833	-21.223077
1.25	60.714218	1.785960	6.882151	17.25	-40.876898	-41.602760	-21.968104
1.50	60.166303	4.892408	8.163077	17.50	-38.424475	-43.753363	-22.647373
1.75	59.424162	7.982876	9.417569	17.75	-35.856317	-45.774266	-23.259399
2.00	58.488067	11.047271	10.641315	18.00	-33.180775	-47.660497	-23.802887
2.25	57.358895	14.075348	11.830001	18.25	-30.406361	-49.407490	-24.276735
2.50	56.038156	17.056743	12.979327	18.50	-27.541732	-51.011080	-24.680024
2.75	54.528016	19.980992	14.085014	18.75	-24.595668	-52.467507	-25.012022
3.00	52.831325	22.837568	15.142825	19.00	-21.577061	-53.773407	-25.272181
3.25	50.951645	25.615912	16.148583	19.25	-18.494896	-54.925817	-25.460129
3.50	48.893266	28.305476	17.098187	19.50	-15.358237	-55.922174	-25.575678
3.75	46.661236	30.895762	17.987634	19.75	-12.176212	-56.760310	-25.618811
4.00	44.261375	33.376375	18.813044	20.00	-8.957996	-57.438454	-25.589692
4.25	41.700290	35.737071	19.570680	20.25	-5.712800	-57.955233	-25.488653
4.50	38.985390	37.967819	20.256978	20.50	-2.449852	-58.309670	-25.316201
4.75	36.124885	40.058857	20.868571	20.75	0.821615	-58.501184	-25.073010
5.00	33.127792	42.000763	21.402317	21.00	4.092380	-58.529588	-24.759925
5.25	30.003921	43.784517	21.855328	21.25	7.353250	-58.395094	-24.377956
5.50	26.763861	45.401579	22.225001	21.50	10.595074	-58.098306	-23.928279
5.75	23.418956	46.843959	22.509044	21.75	13.808761	-57.640223	-23.412230
6.00	19.981266	48.104289	22.705505	22.00	16.985295	-57.022235	-22.831308
6.25	16.463528	49.175900	22.812800	22.25	20.115751	-56.246127	-22.187169
6.50	12.879097	50.052890	22.829737	22.50	23.191314	-55.314069	-21.481624
6.75	9.241881	50.730194	22.755539	22.75	26.203294	-54.228621	-20.716638
7.00	5.566265	51.203646	22.589865	23.00	29.143146	-52.992725	-19.894326
7.25	1.867028	51.470035	22.332820	23.25	32.002482	-51.609707	-19.016949
7.50	-1.840752	51.527156	21.984975	23.50	34.773096	-50.083264	-18.086911
7.75	-5.541797	51.373845	21.547364	23.75	37.446975	-48.417471	-17.106756
8.00	-9.220741	51.010008	21.021495	24.00	40.016321	-46.616763	-16.079162
8.25	-12.862235	50.436641	20.409339	24.25	42.473565	-44.685941	-15.006941
8.50	-16.451059	49.655832	19.713324	24.50	44.811388	-42.630155	-13.893026
8.75	-19.972243	48.670750	18.936315	24.75	47.022738	-40.454904	-12.740477
9.00	-23.411167	47.485626	18.081602	25.00	49.100844	-38.166023	-11.552466
9.25	-26.753677	46.105720	17.152868	25.25	51.039236	-35.769679	-10.332278
9.50	-29.986178	44.537274	16.154161	25.50	52.831761	-33.272357	-9.083302
9.75	-33.095729	42.787456	15.089861	25.75	54.472601	-30.680853	-7.809027
10.00	-36.070129	40.864296	13.964645	26.00	55.956286	-28.002262	-6.513034
10.25	-38.897984	38.776607	12.783446	26.25	57.277716	-25.243966	-5.198992
10.50	-41.568770	36.533915	11.551411	26.50	58.432169	-22.413628	-3.870647
10.75	-44.072881	34.146364	10.273867	26.75	59.451325	-19.519171	-2.531823
11.00	-46.401668	31.624638	8.956269	27.00	60.223276	-16.568772	-1.186405
11.25	-48.547460	28.979865	7.604172	27.25	60.852544	-13.570846	0.161658
11.50	-50.503577	26.223539	6.223181	27.50	61.300094	-10.534030	1.508370
11.75	-52.264336	23.367425	4.818922	27.75	61.563353	-7.467174	2.849688
12.00	-53.825039	20.423482	3.397003	28.00	61.640221	-4.379320	4.181536
12.25	-55.181960	17.403786	1.962985	28.25	61.529090	-1.279689	5.499809
12.50	-56.332319	14.320454	0.522352	28.50	61.228855	1.822336	6.800383
12.75	-57.274255	11.185579	-0.919518	28.75	60.738933	4.917230	8.079126
13.00	-58.006784	8.011166	-2.357369	29.00	60.059276	7.995341	9.331905
13.25	-58.529767	4.809080	-3.786094	29.25	59.190386	11.046913	10.554596
13.50	-58.843864	1.590995	-5.200746	29.50	58.133333	14.062109	11.743098
13.75	-58.950490	-1.631646	-6.596555	29.75	56.889766	17.031026	12.893340
14.00	-58.851773	-4.847672	-7.968939	30.00	55.461928	19.943729	14.001294
14.25	-58.550505	-8.046213	-9.313511	30.25	53.852673	22.790269	15.062989
14.50	-58.050097	-11.216725	-10.626090	30.50	52.065480	25.560718	16.074523
14.75	-57.354541	-14.349014	-11.902700	30.75	50.104461	28.245194	17.032078
15.00	-56.468359	-17.433256	-13.139579	31.00	47.974380	30.833896	17.931935
15.25	-55.396571	-20.460005	-14.333177	31.25	45.680657	33.317138	18.770487
15.50	-54.144650	-23.420206	-15.480160	31.50	43.229381	35.685389	19.544262
15.75	-52.718488	-26.305207	-16.577405	31.75	40.627318	37.929310	20.249937
16.00	-51.124361	-29.106759	-17.622002				
16.25	-49.368896	-31.817020	-18.611255				
16.50	-47.459043	-34.428563	-19.542673				
16.75	-45.402045	-36.934369	-20.413974				

FEBRUARY 1974

DAY	X	Y	Z	DAY	X	Y	Z
1.00	37.881910	40.039801	20.884355	15.00	-24.762146	-52.050970	-24.637577
1.25	35.001279	42.008044	21.444550	15.25	-21.758859	-53.407241	-24.924882
1.50	31.994227	43.825552	21.927763	15.50	-18.690777	-54.606700	-25.138988
1.75	28.870223	45.484221	22.331465	15.75	-15.567125	-55.646875	-25.279750
2.00	25.639396	46.976384	22.653378	16.00	-12.397156	-56.525701	-25.347199
2.25	22.312517	48.294866	22.891499	16.25	-9.190138	-57.241518	-25.341540
2.50	18.900972	49.433039	23.044118	16.50	-5.955338	-57.793063	-25.263149
2.75	15.416736	50.384882	23.109844	16.75	-2.702015	-58.179466	-25.112564
3.00	11.872332	51.145038	23.087622	17.00	0.560593	-58.400248	-24.890492
3.25	8.280788	51.708869	22.976756	17.25	3.823281	-58.455315	-24.597798
3.50	4.655583	52.072515	22.776925	17.50	7.076888	-58.344958	-24.235506
3.75	1.010587	52.232943	22.488201	17.75	10.312307	-58.069850	-23.804799
4.00	-2.640009	52.188000	22.111064	18.00	13.520497	-57.631045	-23.307015
4.25	-6.281767	51.936447	21.646407	18.25	16.692496	-57.029977	-22.743643
4.50	-9.900088	51.478009	21.095552	18.50	19.819433	-56.268457	-22.116326
4.75	-13.480300	50.813391	20.460248	18.75	22.892541	-55.348675	-21.426858
5.00	-17.007754	49.944311	19.742674	19.00	25.903171	-54.273200	-20.677180
5.25	-20.467919	48.873503	18.945429	19.25	28.842807	-53.044976	-19.869379
5.50	-23.846489	47.604720	18.071529	19.50	31.703078	-51.667323	-19.005690
5.75	-27.129476	46.142726	17.124386	19.75	34.475779	-50.143936	-18.088489
6.00	-30.303322	44.493273	16.107798	20.00	37.152885	-48.478884	-17.120292
6.25	-33.354987	42.663068	15.025914	20.25	39.726566	-46.676607	-16.103754
6.50	-36.272048	40.659732	13.883217	20.50	42.189210	-44.741912	-15.041666
6.75	-39.042786	38.491743	12.684482	20.75	44.533438	-42.679973	-13.936949
7.00	-41.656261	36.168378	11.434754	21.00	46.752125	-40.496322	-12.792652
7.25	-44.102391	33.699636	10.139299	21.25	48.838418	-38.196848	-11.611949
7.50	-46.371999	31.096163	8.803570	21.50	50.785758	-35.787789	-10.398132
7.75	-48.456876	28.369167	7.433165	21.75	52.587901	-33.275725	-9.154607
8.00	-50.349804	25.530334	6.033788	22.00	54.238935	-30.667564	-7.884889
8.25	-52.044591	22.591733	4.611207	22.25	55.733306	-27.970541	-6.592592
8.50	-53.536078	19.565729	3.171213	22.50	57.065835	-25.192199	-5.281429
8.75	-54.820147	16.464893	1.719583	22.75	58.231738	-22.340382	-3.955197
9.00	-55.893703	13.301917	0.262044	23.00	59.226651	-19.423216	-2.617773
9.25	-56.754665	10.089529	-1.195761	23.25	60.046644	-16.449095	-1.273106
9.50	-57.401929	6.840417	-2.648303	23.50	60.688245	-13.426665	0.074794
9.75	-57.835344	3.567155	-4.090197	23.75	61.148454	-10.364807	1.421864
10.00	-58.055660	0.282139	-5.516220	24.00	61.424767	-7.272614	2.763999
10.25	-58.064490	-3.002474	-6.921341	24.25	61.515187	-4.159373	4.097063
10.50	-57.864256	-6.274819	-8.300730	24.50	61.418245	-1.034541	5.416898
10.75	-57.458139	-9.523366	-9.649775	24.75	61.133010	2.092278	6.719337
11.00	-56.850023	-12.736959	-10.964097	25.00	60.659107	5.211356	8.000216
11.25	-56.044441	-15.904850	-12.239554	25.25	59.996730	8.312869	9.255384
11.50	-55.046525	-19.016725	-13.472246	25.50	59.146650	11.386921	10.480719
11.75	-53.861947	-22.062722	-14.658523	25.75	58.110226	14.423575	11.672137
12.00	-52.496874	-25.033446	-15.794983	26.00	56.889416	17.412877	12.825606
12.25	-50.957913	-27.919985	-16.878472	26.25	55.486784	20.344894	13.937160
12.50	-49.252071	-30.7113908	-17.906084	26.50	53.905503	23.209733	15.002915
12.75	-47.386708	-33.407276	-18.875155	26.75	52.149360	25.997585	16.019076
13.00	-45.369497	-35.992636	-19.783261	27.00	50.222763	28.698746	16.981959
13.25	-43.208384	-38.463023	-20.628215	27.25	48.130736	31.303660	17.887999
13.50	-40.911559	-40.811953	-21.408058	27.50	45.878920	33.802946	18.733766
13.75	-38.487421	-43.033420	-22.121054	27.75	43.473572	36.187438	19.515983
14.00	-35.944546	-45.121886	-22.765688	28.00	40.921559	38.448218	20.231536
14.25	-33.291667	-47.072273	-23.340655	28.25	38.230350	40.576653	20.877490
14.50	-30.537645	-48.879961	-23.844857	28.50	35.408009	42.564434	21.451106
14.75	-27.691452	-50.540773	-24.277399	28.75	32.463181	44.403613	21.949854

MARCH

1974

DAY	X	Y	Z	DAY	X	Y	Z
1.00	29.405079	46.086642	22.371430	17.00	9.564625	-58.025878	-23.571427
1.25	26.243464	47.606413	22.713767	17.25	12.782441	-57.643710	-23.103702
1.50	22.988627	48.956297	22.975056	17.50	15.964601	-57.096459	-22.569814
1.75	19.651365	50.130186	23.153754	17.75	19.102219	-56.385959	-21.971397
2.00	16.242951	51.122532	23.248603	18.00	22.186536	-55.514410	-21.310228
2.25	12.775103	51.928386	23.258644	18.25	25.208920	-54.484378	-20.588226
2.50	9.259950	52.543441	23.183225	18.50	28.160883	-53.298788	-19.807447
2.75	5.709988	52.964065	23.022019	18.75	31.034088	-51.960927	-18.970085
3.00	2.138039	53.187343	22.775034	19.00	33.820359	-50.474442	-18.078467
3.25	-1.442802	53.211112	22.442620	19.25	36.511698	-48.843339	-17.135058
3.50	-5.019218	53.033989	22.025483	19.50	39.100294	-47.071983	-16.142452
3.75	-8.577734	52.655406	21.524684	19.75	41.578539	-45.165096	-15.103375
4.00	-12.104772	52.075631	20.941653	20.00	43.939043	-43.127757	-14.020681
4.25	-15.586726	51.295793	20.278183	20.25	46.174649	-40.965403	-12.897352
4.50	-19.010031	50.317898	19.536437	20.50	48.278454	-38.683825	-11.736493
4.75	-22.361237	49.144831	18.718940	20.75	50.243826	-36.289164	-10.541332
5.00	-25.627087	47.780387	17.828573	21.00	52.064423	-33.787914	-9.315214
5.25	-28.794594	46.229220	16.868571	21.25	53.734214	-31.186911	-8.061597
5.50	-31.851125	44.496878	15.842501	21.50	55.247503	-28.493330	-6.784053
5.75	-34.784477	42.589764	14.754255	21.75	56.598951	-25.714680	-5.486254
6.00	-37.582958	40.515112	13.608024	22.00	57.783595	-22.858792	-4.171975
6.25	-40.235463	38.280951	12.408282	22.25	58.796881	-19.933811	-2.845079
6.50	-42.731544	35.896068	11.159759	22.50	59.634678	-16.948180	-1.509516
6.75	-45.061480	33.369954	9.867409	22.75	60.293310	-13.910631	-0.169311
7.00	-47.216342	30.712748	8.536390	23.00	60.769578	-10.830164	1.171443
7.25	-49.188039	27.935170	7.172020	23.25	61.060781	-7.716030	2.508598
7.50	-50.969375	25.048461	5.779753	23.50	61.164745	-4.577711	3.837960
7.75	-52.554080	22.064299	4.365136	23.75	61.079839	-1.424894	5.155302
8.00	-53.936844	18.994731	2.933782	24.00	60.805002	1.732553	6.456375
8.25	-55.113334	15.852086	1.491325	24.25	60.339759	4.884610	7.736924
8.50	-56.080206	12.648901	0.043396	24.50	59.684243	8.021134	8.992702
8.75	-56.835103	9.397835	-1.404421	24.75	58.839205	11.131890	10.219484
9.00	-57.376648	6.111600	-2.846616	25.00	57.806034	14.206588	11.413083
9.25	-57.704430	2.802872	-4.277784	25.25	56.586766	17.234919	12.569365
9.50	-57.818972	-0.515770	-5.692654	25.50	55.184090	20.206589	13.684269
9.75	-57.721702	-3.831921	-7.086116	25.75	53.601359	23.111362	14.753822
10.00	-57.414915	-7.133406	-8.453242	26.00	51.842590	25.939097	15.774154
10.25	-56.901729	-10.408343	-9.789306	26.25	49.912462	28.679789	16.741517
10.50	-56.186035	-13.645189	-11.089804	26.50	47.816316	31.323616	17.652304
10.75	-55.272446	-16.832793	-12.350463	26.75	45.560146	33.860972	18.503061
11.00	-54.166243	-19.960426	-13.567257	27.00	43.150588	36.282518	19.290511
11.25	-52.873325	-23.017819	-14.736415	27.25	40.594906	38.579217	20.011561
11.50	-51.400146	-25.995188	-15.854424	27.50	37.900977	40.742381	20.663327
11.75	-49.753667	-28.883255	-16.918034	27.75	35.077269	42.763708	21.243141
12.00	-47.941298	-31.673263	-17.924260	28.00	32.132819	44.635323	21.748572
12.25	-45.970851	-34.356986	-18.870382	28.25	29.077202	46.349819	22.177437
12.50	-43.850487	-36.926738	-19.753938	28.50	25.920505	47.900291	22.527811
12.75	-41.588671	-39.375369	-20.572729	28.75	22.673295	49.280376	22.798044
13.00	-39.194124	-41.696270	-21.324804	29.00	19.346579	50.484284	22.986770
13.25	-36.675790	-43.883364	-22.008462	29.25	15.951767	51.506831	23.092914
13.50	-34.042791	-45.931103	-22.622244	29.50	12.500636	52.343471	23.115706
13.75	-31.304395	-47.834457	-23.164920	29.75	9.005278	52.990320	23.054683
14.00	-28.469985	-49.588904	-23.635493	30.00	5.478061	53.444187	22.909700
14.25	-25.549030	-51.190421	-24.033178	30.25	1.931580	53.702595	22.680930
14.50	-22.551058	-52.635471	-24.357407	30.50	-1.621395	53.763799	22.368874
14.75	-19.485636	-53.920990	-24.607813	30.75	-5.167971	53.626804	21.974358
15.00	-16.362346	-55.044376	-24.784228	31.00	-8.695183	53.291383	21.498535
15.25	-13.190769	-56.003477	-24.886671	31.25	-12.190052	52.758085	20.942886
15.50	-9.980469	-56.796580	-24.915348	31.50	-15.639640	52.028241	20.309217
15.75	-6.740975	-57.422399	-24.870640	31.75	-19.031106	51.103973	19.599651
16.00	-3.481773	-57.880063	-24.753100				
16.25	-0.212291	-58.169111	-24.563449				
16.50	3.058110	-58.289480	-24.302568				
16.75	6.320147	-58.241498	-23.971496				

APRIL

1974

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-22.351770	49.988189	18.816632	16.00	40.765873	-45.900740	-15.222561
1.25	-25.589168	48.684582	17.962905	16.25	43.163619	-43.920054	-14.167859
1.50	-28.731111	47.197622	17.041518	16.50	45.437411	-41.811870	-13.071983
1.75	-31.765749	45.532540	16.055805	16.75	47.580356	-39.581811	-11.937947
2.00	-34.681625	43.695317	15.009373	17.00	49.585822	-37.235831	-10.768878
2.25	-37.467737	41.692655	13.906091	17.25	51.447445	-34.780219	-9.568016
2.50	-40.113593	39.531957	12.750068	17.50	53.159154	-32.221593	-8.338708
2.75	-42.609266	37.221292	11.545642	17.75	54.715179	-29.566903	-7.084412
3.00	-44.945445	34.769359	10.297350	18.00	56.110080	-26.823422	-5.808688
3.25	-47.113488	32.185449	9.009918	18.25	57.338762	-23.998749	-4.515195
3.50	-49.105464	29.479398	7.688226	18.50	58.396500	-21.100800	-3.207691
3.75	-50.914196	26.661537	6.337292	18.75	59.278958	-18.137802	-1.890024
4.00	-52.533296	23.742643	4.962244	19.00	59.982220	-15.118288	-0.566128
4.25	-53.957199	20.733878	3.568290	19.25	60.502810	-12.051081	0.759984
4.50	-55.181189	17.646732	2.160695	19.50	60.837722	-8.945287	2.084230
4.75	-56.201415	14.492964	0.744753	19.75	60.984444	-5.810278	3.402464
5.00	-57.014907	11.284533	-0.674245	20.00	60.940988	-2.655674	4.710488
5.25	-57.619585	8.033540	-2.091034	20.25	60.705916	0.508677	6.004061
5.50	-58.014253	4.752158	-3.500403	20.50	60.278366	3.672724	7.278918
5.75	-58.198601	1.452574	-4.897222	20.75	59.658078	6.826234	8.530775
6.00	-58.173186	-1.853081	-6.276467	21.00	58.845421	9.958830	9.755350
6.25	-57.939416	-5.152785	-7.633245	21.25	57.841414	13.060020	10.948374
6.50	-57.499525	-8.434690	-8.962812	21.50	56.647747	16.119231	12.105614
6.75	-56.856544	-11.687176	-10.260598	21.75	55.266800	19.125855	13.222887
7.00	-56.014265	-14.898899	-11.522223	22.00	53.701657	22.069284	14.296080
7.25	-54.977202	-18.058845	-12.743513	22.25	51.956119	24.938961	15.321171
7.50	-53.750554	-21.156366	-13.920516	22.50	50.034711	27.724426	16.294249
7.75	-52.340150	-24.181226	-15.049510	22.75	47.942684	30.415364	17.211532
8.00	-50.752413	-27.123629	-16.127020	23.00	45.686013	33.001658	18.069395
8.25	-48.994302	-29.974252	-17.149814	23.25	43.271396	35.473442	18.864383
8.50	-47.073270	-32.724265	-18.114921	23.50	40.706232	37.821152	19.593240
8.75	-44.997211	-35.365354	-19.019624	23.75	37.998613	40.035582	20.252921
9.00	-42.774409	-37.889734	-19.861468	24.00	35.157294	42.107934	20.840621
9.25	-40.413495	-40.290159	-20.638255	24.25	32.191670	44.029871	21.353783
9.50	-37.923396	-42.559930	-21.348046	24.50	29.111740	45.793569	21.790128
9.75	-35.313294	-44.692895	-21.989157	24.75	25.928066	47.391760	22.147658
10.00	-32.592579	-46.683450	-22.560151	25.00	22.651736	48.817780	22.424682
10.25	-29.770815	-48.526538	-23.059838	25.25	19.294310	50.065609	22.619817
10.50	-26.857696	-50.217635	-23.487266	25.50	15.867771	51.129910	22.732011
10.75	-23.863014	-51.752753	-23.841713	25.75	12.384469	52.006062	22.760542
11.00	-20.796628	-53.128421	-24.122682	26.00	8.857064	52.690188	22.705029
11.25	-17.668432	-54.341676	-24.329893	26.25	5.298464	53.179181	22.565432
11.50	-14.488329	-55.390056	-24.463275	26.50	1.721766	53.470720	22.342061
11.75	-11.266210	-56.271579	-24.522957	26.75	-1.859813	53.563290	22.035569
12.00	-8.011926	-56.984735	-24.509264	27.00	-5.432994	53.456184	21.646954
12.25	-4.735274	-57.528473	-24.422703	27.25	-8.984503	53.149515	21.177551
12.50	-1.445980	-57.902183	-24.263964	27.50	-12.501135	52.644209	20.629028
12.75	1.846323	-58.105689	-24.033906	27.75	-15.969814	51.942004	20.003377
13.00	5.132099	-58.139232	-23.733556	28.00	-19.377657	51.045438	19.302906
13.25	8.401929	-58.003463	-23.364097	28.25	-22.712034	49.957835	18.530222
13.50	11.646517	-57.699427	-22.926869	28.50	-25.960621	48.683287	17.688224
13.75	14.856703	-57.228557	-22.423357	28.75	-29.111460	47.226631	16.780082
14.00	18.023468	-56.592661	-21.855193	29.00	-32.153010	45.593425	15.809228
14.25	21.137947	-55.793919	-21.224147	29.25	-35.074196	43.789917	14.779334
14.50	24.191431	-54.834872	-20.532125	29.50	-37.864453	41.823012	13.694294
14.75	27.175382	-53.718417	-19.781165	29.75	-40.513777	39.700241	12.558210
15.00	30.081431	-52.447801	-18.973436	30.00	-43.012757	37.429718	11.375366
15.25	32.901398	-51.026618	-18.111230	30.25	-45.352617	35.020104	10.150212
15.50	35.627288	-49.458806	-17.196968	30.50	-47.525248	32.480562	8.887344
15.75	38.251308	-47.748641	-16.233191	30.75	-49.523235	29.820717	7.591478

MAY

1974

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-51.339888	27.050605	6.267434	17.00	61.145936	-7.401502	2.901249
1.25	-52.969259	24.180630	4.920110	17.25	61.177355	-4.276341	4.196681
1.50	-54.406165	21.221516	3.554462	17.50	61.017604	-1.136436	5.479501
1.75	-55.646200	18.184254	2.175484	17.75	60.665419	2.008493	6.745559
2.00	-56.685746	15.080059	0.788183	18.00	60.120086	5.148509	7.990676
2.25	-57.521981	11.920310	-0.602441	18.25	59.381470	8.273491	9.210647
2.50	-58.152881	8.716510	-1.991416	18.50	58.450045	11.373150	10.401262
2.75	-58.577218	5.480228	-3.373820	18.75	57.326917	14.437058	11.558314
3.00	-58.794557	2.223053	-4.744799	19.00	56.013856	17.454684	12.677619
3.25	-58.805245	-1.043455	-6.099590	19.25	54.513316	20.415426	13.755032
3.50	-58.610400	-4.307818	-7.433536	19.50	52.828461	23.308650	14.786464
3.75	-58.211893	-7.558681	-8.742107	19.75	50.963183	26.123737	15.767904
4.00	-57.612331	-10.784861	-10.020916	20.00	48.922119	28.850128	16.695437
4.25	-56.815028	-13.975391	-11.265732	20.25	46.710664	31.477376	17.565273
4.50	-55.823984	-17.119560	-12.472502	20.50	44.334978	33.995199	18.373762
4.75	-54.643852	-20.206952	-13.637355	20.75	41.801986	36.393541	19.117426
5.00	-53.279907	-23.227484	-14.756622	21.00	39.119377	38.662628	19.792975
5.25	-51.738012	-26.171438	-15.826840	21.25	36.295595	40.793033	20.397340
5.50	-50.024581	-29.029495	-16.844768	21.50	33.339814	42.775735	20.927690
5.75	-48.146538	-31.792756	-17.807390	21.75	30.261919	44.602188	21.381462
6.00	-46.111285	-34.452775	-18.711921	22.00	27.072474	46.264376	21.756377
6.25	-43.926651	-37.001572	-19.555813	22.25	23.782679	47.754880	22.050466
6.50	-41.600860	-39.431656	-20.336763	22.50	20.404323	49.066929	22.262088
6.75	-39.142487	-41.736035	-21.052704	22.75	16.949731	50.194464	22.389946
7.00	-36.560415	-43.908233	-21.701817	23.00	13.431703	51.132178	22.433103
7.25	-33.863796	-45.942293	-22.282523	23.25	9.863446	51.875570	22.390994
7.50	-31.062012	-47.832782	-22.793485	23.50	6.258501	52.420973	22.263433
7.75	-28.164637	-49.574799	-23.233603	23.75	2.630670	52.765597	22.050621
8.00	-25.181399	-51.163965	-23.602012	24.00	-1.006066	52.907544	21.753147
8.25	-22.122141	-52.596432	-23.898076	24.25	-4.637628	52.845830	21.371986
8.50	-18.996796	-53.868868	-24.121383	24.50	-8.249924	52.580391	20.908497
8.75	-15.815346	-54.978457	-24.271739	24.75	-11.828928	52.112085	20.364411
9.00	-12.587798	-55.922886	-24.349165	25.00	-15.360763	51.442686	19.741824
9.25	-9.324152	-56.700338	-24.353883	25.25	-18.831781	50.574866	19.043182
9.50	-6.034380	-57.309483	-24.286317	25.50	-22.228637	49.512176	18.271265
9.75	-2.728396	-57.749461	-24.147079	25.75	-25.538365	48.259019	17.429164
10.00	0.583959	-58.019875	-23.936967	26.00	-28.748442	46.820612	16.520269
10.25	3.892940	-58.120777	-23.656956	26.25	-31.846851	45.202948	15.548238
10.50	7.188918	-58.052652	-23.308189	26.50	-34.822138	43.412755	14.516976
10.75	10.462390	-57.816412	-22.891974	26.75	-37.663463	41.457442	13.430613
11.00	13.704001	-57.413376	-22.409773	27.00	-40.360643	39.345054	12.293474
11.25	16.904551	-56.845263	-21.863200	27.25	-42.904193	37.084217	11.110058
11.50	20.055008	-56.114179	-21.254012	27.50	-45.285353	34.684081	9.885008
11.75	23.146522	-55.222604	-20.584104	27.75	-47.496122	32.154269	8.623089
12.00	26.170430	-54.173387	-19.855505	28.00	-49.529271	29.504816	7.329159
12.25	29.118268	-52.969728	-19.070372	28.25	-51.378363	26.746117	6.008149
12.50	31.981776	-51.615179	-18.230985	28.50	-53.037759	23.888868	4.665033
12.75	34.752912	-50.113628	-17.339744	28.75	-54.502629	20.944016	3.304813
13.00	37.423851	-48.469296	-16.399166	29.00	-55.768947	17.922704	1.932490
13.25	39.987000	-46.686729	-15.411879	29.25	-56.833491	14.836219	0.553047
13.50	42.435005	-44.770796	-14.380620	29.50	-57.693835	11.695942	-0.828575
13.75	44.760752	-42.726679	-13.308236	29.75	-58.348340	8.513302	-2.207489
14.00	46.957386	-40.559873	-12.197676	30.00	-58.796143	5.299728	-3.578886
14.25	49.018312	-38.276180	-11.051989	30.25	-59.037135	2.066605	-4.938050
14.50	50.937211	-35.881710	-9.874328	30.50	-59.071950	-1.174764	-6.280372
14.75	52.708047	-33.382875	-8.667939	30.75	-58.901942	-4.413203	-7.601364
15.00	54.325082	-30.786386	-7.436167	31.00	-58.529161	-7.637697	-8.896676
15.25	55.782888	-28.099253	-6.182448	31.25	-57.956332	-10.837431	-10.162106
15.50	57.076363	-25.328784	-4.910309	31.50	-57.186832	-14.001819	-11.393612
15.75	58.200745	-22.482577	-3.623363	31.75	-56.224656	-17.120540	-12.587319
16.00	59.151634	-19.568523	-2.325311				
16.25	59.925008	-16.594797	-1.019931				
16.50	60.517243	-13.569854	0.288919				
16.75	60.925137	-10.502423	1.597310				

JUNE

1974

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-55.074397	-20.183563	-13.739535	16.00	52.421709	24.595522	15.310172
1.25	-53.741211	-23.181179	-14.846754	16.25	50.476493	27.334541	16.249915
1.50	-52.230794	-26.104025	-15.905668	16.50	48.358148	29.981435	17.134614
1.75	-50.549343	-28.943104	-16.913167	16.75	46.071977	32.526006	17.960580
2.00	-48.703532	-31.689812	-17.866352	17.00	43.624025	34.958182	18.724252
2.25	-46.700475	-34.335953	-18.762537	17.25	41.021094	37.268068	19.422212
2.50	-44.547696	-36.873757	-19.599251	17.50	38.270745	39.446001	20.051219
2.75	-42.253095	-39.295900	-20.374245	17.75	35.381301	41.482616	20.608222
3.00	-39.824917	-41.595511	-21.085490	18.00	32.361840	43.368902	21.090397
3.25	-37.271716	-43.766187	-21.731182	18.25	29.222185	45.096270	21.495164
3.50	-34.602324	-45.802001	-22.309742	18.50	25.972881	46.656622	21.820217
3.75	-31.825816	-47.697511	-22.819815	18.75	22.625165	48.042414	22.063547
4.00	-28.951482	-49.447765	-23.260267	19.00	19.190931	49.246730	22.223469
4.25	-25.988787	-51.048303	-23.630188	19.25	15.682683	50.263339	22.298640
4.50	-22.947349	-52.495163	-23.928886	19.50	12.113475	51.086766	22.288083
4.75	-19.836898	-53.784877	-24.155888	19.75	8.496855	51.712347	22.191204
5.00	-16.667257	-54.914470	-24.310930	20.00	4.846785	52.136284	22.007808
5.25	-13.448302	-55.881461	-24.393960	20.25	1.177565	52.355690	21.738109
5.50	-10.189943	-56.683853	-24.405129	20.50	-2.496255	52.368631	21.382737
5.75	-6.902093	-57.320133	-24.344786	20.75	-6.159965	52.174156	20.942745
6.00	-3.594642	-57.789260	-24.213475	21.00	-9.798796	51.772317	20.419607
6.25	-0.277433	-58.090660	-24.011928	21.25	-13.398009	51.164183	19.815210
6.50	3.039758	-58.224216	-23.741060	21.50	-16.943005	50.351839	19.131849
6.75	6.347248	-58.190258	-23.401959	21.75	-20.419417	49.338374	18.372209
7.00	9.635462	-57.989553	-22.995885	22.00	-23.813207	48.127865	17.539351
7.25	12.894958	-57.623297	-22.524261	22.25	-27.110759	46.725343	16.636690
7.50	16.116439	-57.093097	-21.988667	22.50	-30.298966	45.136755	15.667966
7.75	19.290770	-56.400968	-21.390835	22.75	-33.365311	43.368918	14.637221
8.00	22.408998	-55.549313	-20.732637	23.00	-36.297938	41.429459	13.548766
8.25	25.462360	-54.540920	-20.016089	23.25	-39.085719	39.326755	12.407150
8.50	28.442295	-53.378943	-19.243335	23.50	-41.718306	37.069869	11.217130
8.75	31.340463	-52.066897	-18.416649	23.75	-44.186178	34.668475	9.983630
9.00	34.148747	-50.608645	-17.538425	24.00	-46.480680	32.132787	8.711716
9.25	36.859269	-49.008385	-16.611172	24.25	-48.594044	29.473485	7.406556
9.50	39.464397	-47.270645	-15.637512	24.50	-50.519416	26.701642	6.073391
9.75	41.956755	-45.400273	-14.620172	24.75	-52.250857	23.828646	4.717504
10.00	44.329231	-43.402423	-13.561981	25.00	-53.783351	20.866132	3.344186
10.25	46.574984	-41.282555	-12.465867	25.25	-55.112795	17.825914	1.958713
10.50	48.687455	-39.046420	-11.334851	25.50	-56.235993	14.719914	0.566319
10.75	50.660376	-36.700060	-10.172044	25.75	-57.150632	11.560104	-0.827831
11.00	52.487774	-34.249794	-8.980644	26.00	-57.855267	8.358448	-2.218661
11.25	54.163985	-31.702220	-7.763932	26.25	-58.349288	5.126843	-3.601202
11.50	55.683662	-29.064202	-6.525268	26.50	-58.632896	1.877078	-4.970613
11.75	57.041784	-26.342870	-5.268092	26.75	-58.707070	-1.379221	-6.322193
12.00	58.233671	-23.545614	-3.995913	27.00	-58.573531	-4.630626	-7.651397
12.25	59.254990	-20.680078	-2.712315	27.25	-58.234713	-7.865948	-8.953850
12.50	60.101776	-17.754155	-1.420947	27.50	-57.693720	-11.074265	-10.225351
12.75	60.770439	-14.775982	-0.125520	27.75	-56.954296	-14.244957	-11.461888
13.00	61.257785	-11.753936	1.170192	28.00	-56.020783	-17.367732	-12.659642
13.25	61.561029	-8.696626	2.462361	28.25	-54.898091	-20.432644	-13.814993
13.50	61.677816	-5.612884	3.747110	28.50	-53.591659	-23.430118	-14.924527
13.75	61.606238	-2.511763	5.020515	28.75	-52.107420	-26.350968	-15.985036
14.00	61.344858	0.597479	6.278613	29.00	-50.451768	-29.186408	-16.993526
14.25	60.892730	3.705390	7.517407	29.25	-48.631523	-31.928071	-17.947215
14.50	60.249424	6.802331	8.732879	29.50	-46.653902	-34.568015	-18.843535
14.75	59.415044	9.878500	9.920991	29.75	-44.526481	-37.098736	-19.680136
15.00	58.390265	12.923945	11.077703	30.00	-42.257170	-39.513174	-20.454883
15.25	57.176344	15.928586	12.198977	30.25	-39.854179	-41.804723	-21.165856
15.50	55.775157	18.882241	13.280796	30.50	-37.325992	-43.967231	-21.811352
15.75	54.189219	21.774653	14.319174	30.75	-34.681334	-45.995011	-22.389880

JULY 1974

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-31.929148	-47.882839	-22.900164	17.00	11.234123	51.501501	22.333696
1.25	-29.078564	-49.625958	-23.341137	17.25	7.619530	52.014574	22.196459
1.50	-26.138874	-51.220079	-23.711941	17.50	3.974037	52.325854	21.973128
1.75	-23.119509	-52.661383	-24.011928	17.75	0.311752	52.432327	21.663824
2.00	-20.030008	-53.946520	-24.240648	18.00	-3.352888	52.331892	21.269079
2.25	-16.879997	-55.072605	-24.397858	18.25	-7.005198	52.023410	20.789844
2.50	-13.679163	-56.037221	-24.483508	18.50	-10.630340	51.506741	20.227494
2.75	-10.437234	-56.838411	-24.497745	18.75	-14.213417	50.782771	19.583834
3.00	-7.163953	-57.474680	-24.440906	19.00	-17.739580	49.853431	18.861093
3.25	-3.869053	-57.944984	-24.313514	19.25	-21.194125	48.721707	18.061920
3.50	-0.562243	-58.248733	-24.116277	19.50	-24.562607	47.391631	17.189370
3.75	2.746820	-58.385779	-23.850076	19.75	-27.830945	45.868267	16.246886
4.00	6.048551	-58.356412	-23.515972	20.00	-30.985520	44.157685	15.238283
4.25	9.333454	-58.161354	-23.115188	20.25	-34.013282	42.266919	14.167714
4.50	12.592142	-57.801749	-22.649116	20.50	-36.901839	40.203916	13.039646
4.75	15.815356	-57.279159	-22.119303	20.75	-39.639540	37.977475	11.858826
5.00	18.993985	-56.595550	-21.527451	21.00	-42.215556	35.597182	10.630243
5.25	22.119079	-55.753286	-20.875410	21.25	-44.619942	33.073328	9.359092
5.50	25.181867	-54.755122	-20.165169	21.50	-46.843692	30.416829	8.050733
5.75	28.173774	-53.604188	-19.398859	21.75	-48.878784	27.639136	6.710653
6.00	31.086434	-52.303986	-18.578737	22.00	-50.718206	24.752153	5.344426
6.25	33.911705	-50.858373	-17.707188	22.25	-52.355978	21.768138	3.957673
6.50	36.641679	-49.271556	-16.786718	22.50	-53.787159	18.699623	2.556025
6.75	39.268703	-47.548077	-15.819944	22.75	-55.007845	15.559316	1.145087
7.00	41.785379	-45.692808	-14.809595	23.00	-56.015156	12.360028	-0.269591
7.25	44.184588	-43.710935	-13.758501	23.25	-56.807210	9.114586	-1.682554
7.50	46.459490	-41.607950	-12.669593	23.50	-57.383101	5.835762	-3.088459
7.75	48.603542	-39.389643	-11.545891	23.75	-57.742861	2.536204	-4.482107
8.00	50.610505	-37.062086	-10.390506	24.00	-57.887416	-0.771626	-5.858463
8.25	52.474454	-34.631631	-9.206630	24.25	-57.818545	-4.075508	-7.212672
8.50	54.189787	-32.104892	-7.997534	24.50	-57.538831	-7.363514	-8.540079
8.75	55.751237	-29.488743	-6.766561	24.75	-57.051613	-10.624049	-9.836239
9.00	57.153879	-26.790303	-5.517121	25.00	-56.360935	-13.845892	-11.096925
9.25	58.393140	-24.016931	-4.252691	25.25	-55.471492	-17.018223	-12.318145
9.50	59.464809	-21.176214	-2.976803	25.50	-54.388586	-20.130649	-13.496135
9.75	60.365049	-18.275960	-1.693046	25.75	-53.118071	-23.173228	-14.627373
10.00	61.090404	-15.324189	-0.405058	26.00	-51.666309	-26.136482	-15.708578
10.25	61.637812	-12.329124	0.883477	26.25	-50.040124	-29.011414	-16.736707
10.50	62.004617	-9.299183	2.168837	26.50	-48.246754	-31.789511	-17.708962
10.75	62.188582	-6.242968	3.447263	26.75	-46.293815	-34.462754	-18.622780
11.00	62.187899	-3.169256	4.714965	27.00	-44.189257	-37.023621	-19.475837
11.25	62.001205	-0.086991	5.968131	27.25	-41.941332	-39.465086	-20.266042
11.50	61.627598	2.994732	7.202928	27.50	-39.558554	-41.780624	-20.991533
11.75	61.066649	6.066672	8.415513	27.75	-37.049668	-43.964202	-21.650675
12.00	60.318424	9.119461	9.602034	28.00	-34.423622	-46.010279	-22.242054
12.25	59.383495	12.143615	10.758644	28.25	-31.689535	-47.913806	-22.764475
12.50	58.262963	15.129550	11.881506	28.50	-28.856673	-49.670213	-23.216952
12.75	56.958475	18.067604	12.966802	28.75	-25.934421	-51.275413	-23.598712
13.00	55.472241	20.948052	14.010744	29.00	-22.932263	-52.725788	-23.909182
13.25	53.807056	23.761131	15.009587	29.25	-19.859756	-54.018191	-24.147988
13.50	51.966321	26.497066	15.959635	29.50	-16.726511	-55.149934	-24.314954
13.75	49.954056	29.146096	16.857263	29.75	-13.542175	-56.118787	-24.410092
14.00	47.774924	31.698510	17.698925	30.00	-10.316406	-56.922968	-24.433598
14.25	45.434244	34.144675	18.481172	30.25	-7.058860	-57.561140	-24.385854
14.50	42.938010	36.475082	19.200671	30.50	-3.779170	-58.032406	-24.267417
14.75	40.292900	38.680381	19.854222	30.75	-0.486930	-58.336298	-24.079017
15.00	37.506289	40.751435	20.438777	31.00	2.808321	-58.472776	-23.821555
15.25	34.586252	42.679360	20.951464	31.25	6.097117	-58.442223	-23.496098
15.50	31.541571	44.455588	21.389605	31.50	9.370083	-58.245435	-23.103872
15.75	28.381726	46.071918	21.750743	31.75	12.617944	-57.883615	-22.646262
16.00	25.116888	47.520577	22.032663				
16.25	21.757905	48.794279	22.233417				
16.50	18.316274	49.886296	22.351346				
16.75	14.804114	50.790513	22.385108				

AUGUST 1974

DAY	X	Y	Z	DAY	X	Y	Z
1.00	15.831550	-57.358373	-22.124807	17.00	-37.444531	39.733691	12.802912
1.25	19.001887	-56.671711	-21.541193	17.25	-40.106359	37.416885	11.606021
1.50	22.120089	-55.826022	-20.897253	17.50	-42.604805	34.947037	10.361861
1.75	25.177461	-54.824084	-20.194959	17.75	-44.929617	32.334398	9.075584
2.00	28.165489	-53.669047	-19.436420	18.00	-47.071441	29.589928	7.752551
2.25	31.075854	-52.364431	-18.623877	18.25	-49.021891	26.725222	6.398291
2.50	33.900452	-50.914116	-17.759698	18.50	-50.773595	23.752416	5.018456
2.75	36.631402	-49.322333	-16.846373	18.75	-52.320235	20.684099	3.618789
3.00	39.261067	-47.593657	-15.886508	19.00	-53.656575	17.533219	2.205071
3.25	41.782064	-45.732998	-14.882823	19.25	-54.778473	14.312983	0.783090
3.50	44.187278	-43.745590	-13.838145	19.50	-55.682886	11.036764	-0.641402
3.75	46.469876	-41.636980	-12.755401	19.75	-56.367860	7.718007	-2.062728
4.00	48.623320	-39.413025	-11.637617	20.00	-56.832503	4.370139	-3.475317
4.25	50.641383	-37.079872	-10.487907	20.25	-57.076963	1.006486	-4.873740
4.50	52.518155	-34.643954	-9.309472	20.50	-57.102385	-2.359809	-6.252734
4.75	54.248063	-32.111976	-8.105593	20.75	-56.910866	-5.715857	-7.607230
5.00	55.825877	-29.490905	-6.879624	21.00	-56.505400	-9.049084	-8.932375
5.25	57.246723	-26.787957	-5.634984	21.25	-55.889825	-12.347296	-10.223547
5.50	58.506096	-24.010585	-4.375159	21.50	-55.068762	-15.598718	-11.476374
5.75	59.599873	-21.166468	-3.103687	21.75	-54.047555	-18.792045	-12.686740
6.00	60.524316	-18.263497	-1.824156	22.00	-52.832208	-21.916470	-13.850798
6.25	61.276090	-15.309765	-0.540198	22.25	-51.429322	-24.961718	-14.964973
6.50	61.852271	-12.313550	0.744518	22.50	-49.846035	-27.918057	-16.025963
6.75	62.250356	-9.283305	2.026291	22.75	-48.089966	-30.776322	-17.030744
7.00	62.468274	-6.227644	3.301399	23.00	-46.169155	-33.527920	-17.976564
7.25	62.504394	-3.155327	4.566099	23.25	-44.092010	-36.164833	-18.860943
7.50	62.357540	-0.075246	5.816639	23.50	-41.867260	-38.679626	-19.681668
7.75	62.026995	3.003588	7.049262	23.75	-39.503903	-41.065436	-20.436784
8.00	61.512517	6.072061	8.260215	24.00	-37.011167	-43.315972	-21.124594
8.25	60.814344	9.120974	9.445755	24.25	-34.398466	-45.425503	-21.743647
8.50	59.933211	12.141055	10.602157	24.50	-31.675366	-47.388854	-22.292730
8.75	58.870355	15.122978	11.725724	24.75	-28.851552	-49.201388	-22.770866
9.00	57.627529	18.057382	12.812789	25.00	-25.936794	-50.859002	-23.177300
9.25	56.207013	20.934892	13.859735	25.25	-22.940922	-52.358107	-23.511494
9.50	54.611624	23.746133	14.862991	25.50	-19.873801	-53.695619	-23.773121
9.75	52.844727	26.481760	15.819055	25.75	-16.745307	-54.868948	-23.962054
10.00	50.910245	29.132474	16.724494	26.00	-13.565307	-55.875982	-24.078360
10.25	48.812673	31.689055	17.575962	26.25	-10.343643	-56.715077	-24.122297
10.50	46.557082	34.142381	18.370209	26.50	-7.090109	-57.385042	-24.094301
10.75	44.149135	36.483463	19.104094	26.75	-3.814443	-57.885133	-23.994987
11.00	41.595088	38.703478	19.774600	27.00	-0.526306	-58.215039	-23.825136
11.25	38.901802	40.793796	20.378847	27.25	2.764729	-58.374871	-23.585695
11.50	36.076743	42.746024	20.914109	27.50	6.049187	-58.365157	-23.277770
11.75	33.127990	44.552040	21.377830	27.75	9.317709	-58.186827	-22.902621
12.00	30.064229	46.204040	21.767637	28.00	12.561060	-57.841212	-22.461658
12.25	26.894752	47.694575	22.081365	28.25	15.770137	-57.330030	-21.956438
12.50	23.629449	49.016607	22.317068	28.50	18.935991	-56.655381	-21.388656
12.75	20.278798	50.163548	22.473044	28.75	22.049827	-55.819745	-20.760149
13.00	16.853846	51.129322	22.547851	29.00	25.103022	-54.825967	-20.072886
13.25	13.366185	51.908407	22.540325	29.25	28.087135	-53.677258	-19.328966
13.50	9.827928	52.495896	22.449605	29.50	30.993920	-52.377185	-18.530615
13.75	6.251667	52.887547	22.275143	29.75	33.815337	-50.929666	-17.680182
14.00	2.650438	53.079839	22.016729	30.00	36.543564	-49.338965	-16.780136
14.25	-0.962337	53.070021	21.674506	30.25	39.171010	-47.609684	-15.833062
14.50	-4.572901	52.856165	21.248983	30.50	41.690331	-45.676757	-14.841655
14.75	-8.167231	52.437210	20.741046	30.75	44.094440	-43.755445	-13.808720
15.00	-11.731111	51.813005	20.151976	31.00	46.376522	-41.641327	-12.737164
15.25	-15.250211	50.984345	19.483448	31.25	48.530048	-39.410292	-11.629992
15.50	-18.710173	49.953001	18.737538	31.50	50.548789	-37.068531	-10.490306
15.75	-22.096704	48.721736	17.916723	31.75	52.426830	-34.622531	-9.321296
16.00	-25.395672	47.294323	17.023878				
16.25	-28.593206	45.675545	16.062262				
16.50	-31.675798	43.871182	15.035513				
16.75	-34.630401	41.887995	13.947620				

SEPTEMBER 1974

DAY	X	Y	Z	DAY	X	Y	Z
1.00	54.158587	-32.079060	-8.126236	16.00	-55.812299	10.253221	-0.913636
1.25	55.738818	-29.445162	-6.908479	16.25	-56.383319	6.898726	-2.322351
1.50	57.162638	-26.728144	-5.671450	16.50	-56.733834	3.517225	-3.721705
1.75	58.425536	-23.935563	-4.418643	16.75	-56.863781	0.122196	-5.106241
2.00	59.523386	-21.075215	-3.153610	17.00	-56.774132	-3.272989	-6.470644
2.25	60.452463	-18.155121	-1.879956	17.25	-56.466860	-6.655148	-7.809764
2.50	61.209456	-15.183512	-0.601335	17.50	-55.944902	-10.011360	-9.118650
2.75	61.791481	-12.168815	0.678564	17.75	-55.212108	-13.329042	-10.392571
3.00	62.196094	-9.119639	1.956015	18.00	-54.273186	-16.596006	-11.627035
3.25	62.421303	-6.044753	3.227274	18.25	-53.133645	-19.800520	-12.817808
3.50	62.465579	-2.953072	4.488579	18.50	-51.799730	-22.931350	-13.960930
3.75	62.327870	0.146361	5.736162	18.75	-50.278362	-25.977807	-15.052717
4.00	62.007606	3.244396	6.966256	19.00	-48.577066	-28.929777	-16.089780
4.25	61.504716	6.331794	8.175106	19.25	-46.703910	-31.777748	-17.069021
4.50	60.819629	9.399248	9.358976	19.50	-44.667435	-34.512823	-17.987635
4.75	59.953291	12.437407	10.514161	19.75	-42.476597	-37.126739	-18.843114
5.00	58.907162	15.436893	11.636993	20.00	-40.140703	-39.611873	-19.633237
5.25	57.683234	18.388327	12.723854	20.25	-37.669352	-41.961236	-20.356072
5.50	56.284028	21.282354	13.771184	20.50	-35.072387	-44.168480	-21.009964
5.75	54.712604	24.109659	14.775493	20.75	-32.359837	-46.227879	-21.593532
6.00	52.972563	26.861005	15.733370	21.00	-29.541874	-48.134331	-22.105656
6.25	51.068051	29.527246	16.641493	21.25	-26.628772	-49.883333	-22.545472
6.50	49.003762	32.099361	17.496642	21.50	-23.630865	-51.470975	-22.912357
6.75	46.784937	34.568477	18.295710	21.75	-20.558513	-52.893919	-23.205924
7.00	44.417366	36.925902	19.035711	22.00	-17.422073	-54.149382	-23.426012
7.25	41.907387	39.163149	19.713796	22.25	-14.231867	-55.235115	-23.572669
7.50	39.261883	41.271968	20.327263	22.50	-10.998163	-56.149392	-23.646153
7.75	36.448276	43.244378	20.873568	22.75	-7.731147	-56.890986	-23.646912
8.00	33.594527	45.072700	21.350339	23.00	-4.440911	-57.459151	-23.575584
8.25	30.589121	46.749587	21.755390	23.25	-1.137431	-57.853606	-23.432981
8.50	27.481065	48.268060	22.086730	23.50	2.169447	-58.074522	-23.220086
8.75	24.279869	49.621545	22.342579	23.75	5.470014	-58.122498	-22.938043
9.00	20.995538	50.803906	22.521382	24.00	8.754718	-57.998556	-22.588151
9.25	17.638549	51.809486	22.621821	24.25	12.014167	-57.704119	-22.171857
9.50	14.219834	52.633142	22.642828	24.50	15.239144	-57.241006	-21.690751
9.75	10.750754	53.270285	22.583597	24.75	18.420608	-56.611414	-21.146558
10.00	7.243073	53.716919	22.443605	25.00	21.549709	-55.817911	-20.541137
10.25	3.708921	53.969679	22.222612	25.25	24.617792	-54.863427	-19.876473
10.50	0.160763	54.025872	21.920685	25.50	27.616406	-53.751242	-19.154672
10.75	-3.388647	53.883510	21.538201	25.75	30.537309	-52.484983	-18.377963
11.00	-6.926311	53.541352	21.075863	26.00	33.372480	-51.068612	-17.548686
11.25	-10.439038	52.998934	20.534705	26.25	36.114124	-49.506425	-16.669297
11.50	-13.913503	52.256601	19.916102	26.50	38.754681	-47.803039	-15.742358
11.75	-17.336308	51.315539	19.221774	26.75	41.286839	-45.963393	-14.770538
12.00	-20.694048	50.177792	18.453791	27.00	43.703537	-43.992740	-13.756606
12.25	-23.973385	48.846290	17.614573	27.25	45.997982	-41.896642	-12.703434
12.50	-27.161121	47.324852	16.706887	27.50	48.163658	-39.680964	-11.613987
12.75	-30.244279	45.618200	15.733845	27.75	50.194335	-37.351867	-10.491324
13.00	-33.210188	43.731955	14.698895	28.00	52.084089	-34.915808	-9.338594
13.25	-36.046561	41.672629	13.605808	28.25	53.827308	-32.379528	-8.159029
13.50	-38.741583	39.447605	12.458664	28.50	55.418710	-29.750045	-6.955943
13.75	-41.283994	37.065114	11.261835	28.75	56.853359	-27.034652	-5.732728
14.00	-43.663170	34.534198	10.019963	29.00	58.126676	-24.240903	-4.492847
14.25	-45.869204	31.864664	8.737929	29.25	59.234459	-21.376602	-3.239829
14.50	-47.892978	29.067036	7.420836	29.50	60.172900	-18.449802	-1.977264
14.75	-49.726230	26.152483	6.073964	29.75	60.938594	-15.468781	-0.708796
15.00	-51.361616	23.132761	4.702750	30.00	61.528565	-12.442036	0.561881
15.25	-52.792758	20.020130	3.312740	30.25	61.940279	-9.378267	1.831038
15.50	-54.014292	16.827274	1.909561	30.50	62.171656	-6.286362	3.094909
15.75	-55.021893	13.567214	0.498879	30.75	62.221092	-3.175376	4.349707

OCTOBER 1974

DAY	X	Y	Z	DAY	X	Y	Z
1.00	62.087472	-0.054514	5.591630	17.00	-43.764873	-35.322402	-18.085787
1.25	61.770186	3.066889	6.816871	17.25	-41.471807	-37.892240	-18.901779
1.50	61.269139	6.179390	8.021630	17.50	-39.036310	-40.330491	-19.652056
1.75	60.584769	9.273464	9.202119	17.75	-36.468206	-42.630004	-20.334668
2.00	59.718055	12.339527	10.354582	18.00	-33.777604	-44.784282	-20.947953
2.25	58.670528	15.367963	11.475299	18.25	-30.974846	-46.787480	-21.490531
2.50	57.444281	18.349153	12.560601	18.50	-28.070450	-48.634407	-21.961301
2.75	56.041971	21.273500	13.606883	18.75	-25.075062	-50.320510	-22.359430
3.00	54.466834	24.131466	14.610613	19.00	-21.999409	-51.841869	-22.684344
3.25	52.722675	26.913596	15.568351	19.25	-18.854255	-53.195182	-22.935720
3.50	50.813880	29.610554	16.476756	19.50	-15.650361	-54.377744	-23.113476
3.75	48.745411	32.213155	17.332600	19.75	-12.398449	-55.387435	-23.217758
4.00	46.522799	34.712397	18.132784	20.00	-9.109172	-56.222696	-23.248931
4.25	44.152146	37.099497	18.874348	20.25	-5.793085	-56.882509	-23.207568
4.50	41.640110	39.365921	19.554486	20.50	-2.460616	-57.366377	-23.094438
4.75	38.993900	41.503423	20.170555	20.75	0.877949	-57.674306	-22.910498
5.00	36.221260	43.504075	20.720094	21.00	4.212491	-57.806777	-22.656880
5.25	33.330456	45.360301	21.200829	21.25	7.533070	-57.764731	-22.334885
5.50	30.330256	47.064914	21.610689	21.50	10.829942	-57.549550	-21.945969
5.75	27.229917	48.611146	21.947816	21.75	14.093569	-57.163036	-21.491738
6.00	24.039154	49.992684	22.210578	22.00	17.314632	-56.607392	-20.973940
6.25	20.768121	51.203696	22.397577	22.25	20.484033	-55.885210	-20.394455
6.50	17.427384	52.238869	22.507660	22.50	23.592910	-54.999453	-19.755291
6.75	14.027890	53.093436	22.539930	22.75	26.632638	-53.953440	-19.058577
7.00	10.580937	53.763207	22.493751	23.00	29.594838	-52.750836	-18.306555
7.25	7.098137	54.244594	22.368760	23.25	32.471380	-51.395639	-17.501579
7.50	3.591384	54.534644	22.164874	23.50	35.254387	-49.892167	-16.646106
7.75	0.072812	54.631056	21.882294	23.75	37.936243	-48.245056	-15.742695
8.00	-3.445247	54.532215	21.521513	24.00	40.509598	-46.459242	-14.794002
8.25	-6.950304	54.237206	21.083318	24.25	42.967370	-44.539962	-13.802777
8.50	-10.429762	53.745836	20.568799	24.50	45.302752	-42.492742	-12.771858
8.75	-13.870964	53.058654	19.979346	24.75	47.509223	-40.323395	-11.704174
9.00	-17.261242	52.176964	19.316653	25.00	49.580548	-38.038012	-10.602735
9.25	-20.587977	51.102839	18.582717	25.25	51.510794	-35.642959	-9.470634
9.50	-23.838647	49.839125	17.779836	25.50	53.294332	-33.144874	-8.311043
9.75	-27.000890	48.389453	16.910607	25.75	54.925852	-30.550658	-7.127210
10.00	-30.062560	46.758236	15.977922	26.00	56.400372	-27.867472	-5.922456
10.25	-33.011792	44.950666	14.984955	26.25	57.713252	-25.102735	-4.700172
10.50	-35.837062	42.972708	13.935163	26.50	58.860205	-22.264111	-3.463812
10.75	-38.527248	40.831089	12.832264	26.75	59.837314	-19.359511	-2.216898
11.00	-41.071698	38.533273	11.680235	27.00	60.641045	-16.397081	-0.963004
11.25	-43.460287	36.087446	10.483288	27.25	61.268266	-13.385191	0.294239
11.50	-45.683482	33.502482	9.245857	27.50	61.716261	-10.332433	1.551155
11.75	-47.732401	30.787906	7.972577	27.75	61.982751	-7.247602	2.804026
12.00	-49.598868	27.953860	6.668262	28.00	62.065911	-4.139690	4.049097
12.25	-51.275470	25.011048	5.337884	28.25	61.964388	-1.017863	5.282591
12.50	-52.755601	21.970690	3.986544	28.50	61.677321	2.108545	6.500709
12.75	-54.033511	18.844460	2.619446	28.75	61.204360	5.230062	7.699643
13.00	-55.104343	15.644426	1.241869	29.00	60.545682	8.337089	8.875586
13.25	-55.964164	12.382982	-0.140863	29.25	59.702014	11.419929	10.024745
13.50	-56.609990	9.072779	-1.523412	29.50	58.674643	14.468812	11.143346
13.75	-57.039801	5.726650	-2.900454	29.75	57.465436	17.473921	12.227654
14.00	-57.252554	2.357538	-4.266713	30.00	56.076854	20.425424	13.273983
14.25	-57.248181	-1.021580	-5.616992	30.25	54.511963	23.313505	14.278709
14.50	-57.027580	-4.397770	-6.946197	30.50	52.774441	26.128400	15.238288
14.75	-56.592602	-7.758216	-8.249372	30.75	50.868589	28.860433	16.149267
15.00	-55.946025	-11.090288	-9.521720	31.00	48.799334	31.500054	17.008303
15.25	-55.091524	-14.381613	-10.758631	31.25	46.572230	34.037880	17.812179
15.50	-54.033631	-17.620142	-11.955704	31.50	44.193453	36.464737	18.557818
15.75	-52.777695	-20.794208	-13.108765	31.75	41.669801	38.771700	19.242299
16.00	-51.329825	-23.892579	-14.213887				
16.25	-49.696844	-26.904513	-15.267403				
16.50	-47.886225	-29.819795	-16.265920				
16.75	-45.906035	-32.628776	-17.206323				

NOVEMBER 1974

DAY	X	Y	Z	DAY	X	Y	Z
1.00	39.008675	40.950138	19.862878	16.00	-14.127427	-54.783026	-23.035325
1.25	36.218075	42.991754	20.416997	16.25	-10.827455	-55.695642	-23.090112
1.50	33.306573	44.888634	20.902305	16.50	-7.494982	-56.433743	-23.072591
1.75	30.283296	46.633284	21.316670	16.75	-4.140727	-56.996410	-22.983401
2.00	27.157902	48.218673	21.658194	17.00	-0.775299	-57.383274	-22.823384
2.25	23.940541	49.638274	21.925226	17.25	2.590838	-57.594487	-22.593581
2.50	20.641832	50.886103	22.116373	17.50	5.947383	-57.630710	-22.295217
2.75	17.272817	51.956754	22.230513	17.75	9.284226	-57.493087	-21.929690
3.00	13.844926	52.845432	22.266804	18.00	12.591465	-57.183226	-21.498566
3.25	10.369930	53.547987	22.224691	18.25	15.859422	-56.703181	-21.003564
3.50	6.859894	54.060940	22.103914	18.50	19.078660	-56.055427	-20.446551
3.75	3.327129	54.381508	21.904513	18.75	22.239995	-55.242844	-19.829529
4.00	-0.215858	54.507626	21.626832	19.00	25.334504	-54.268695	-19.154628
4.25	-3.756418	54.437963	21.271520	19.25	28.353536	-53.136612	-18.424100
4.50	-7.281816	54.171938	20.839533	19.50	31.288722	-51.850576	-17.640307
4.75	-10.779285	53.709729	20.332132	19.75	34.131974	-50.414901	-16.805720
5.00	-14.236079	53.052279	19.750878	20.00	36.875496	-48.834220	-15.922907
5.25	-17.639533	52.201299	19.097634	20.25	39.511787	-47.113473	-14.994532
5.50	-20.977119	51.159266	18.374551	20.50	42.033646	-45.257892	-14.023345
5.75	-24.236500	49.929418	17.584068	20.75	44.434171	-43.272992	-13.012181
6.00	-27.405585	48.515744	16.728898	21.00	46.706770	-41.164558	-11.963954
6.25	-30.472586	46.922974	15.812019	21.25	48.845158	-38.938638	-10.881652
6.50	-33.426069	45.156557	14.836665	21.50	50.843366	-36.601535	-9.768336
6.75	-36.255005	43.222648	13.806312	21.75	52.695742	-34.159801	-8.627135
7.00	-38.948825	41.128079	12.724661	22.00	54.396957	-31.620224	-7.461243
7.25	-41.497461	38.880337	11.595627	22.25	55.942014	-28.989832	-6.273915
7.50	-43.891398	36.487528	10.423320	22.50	57.326251	-26.275878	-5.068467
7.75	-46.121718	33.958350	9.212030	22.75	58.545350	-23.485842	-3.848270
8.00	-48.180138	31.302053	7.966206	23.00	59.595348	-20.627421	-2.616751
8.25	-50.059051	28.528399	6.690439	23.25	60.472644	-17.708527	-1.377385
8.50	-51.751562	25.647624	5.389440	23.50	61.174013	-14.737281	-0.133696
8.75	-53.251520	22.670390	4.068021	23.75	61.696616	-11.722005	1.110748
9.00	-54.553546	19.607737	2.731073	24.00	62.038018	-8.671219	2.352340
9.25	-55.653061	16.471035	1.383542	24.25	62.196199	-5.593630	3.587436
9.50	-56.546304	13.271933	0.030408	24.50	62.169572	-2.498127	4.812362
9.75	-57.230350	10.022302	-1.323338	24.75	61.957002	0.606233	6.023420
10.00	-57.703126	6.734184	-2.672715	25.00	61.557821	3.710233	7.216890
10.25	-57.963412	3.419732	-4.012780	25.25	60.971849	6.804514	8.389045
10.50	-58.010851	0.091156	-5.338647	25.50	60.199415	9.879585	9.536150
10.75	-57.845943	-3.239340	-6.645513	25.75	59.241374	12.925846	10.654478
11.00	-57.470035	-6.559608	-7.928677	26.00	58.099128	15.933608	11.740319
11.25	-56.885317	-9.857619	-9.183561	26.25	56.774649	18.893113	12.789988
11.50	-56.094797	-13.121519	-10.405737	26.50	55.270495	21.794565	13.799838
11.75	-55.102281	-16.339680	-11.590939	26.75	53.589825	24.628157	14.766278
12.00	-53.912348	-19.500755	-12.735085	27.00	51.736425	27.384102	15.685781
12.25	-52.530315	-22.593728	-13.834296	27.25	49.714714	30.052674	16.554903
12.50	-50.962202	-25.607963	-14.884906	27.50	47.529757	32.624240	17.370300
12.75	-49.214694	-28.533245	-15.883479	27.75	45.187278	35.089308	18.128743
13.00	-47.295094	-31.359819	-16.826824	28.00	42.693665	37.438566	18.827139
13.25	-45.211281	-34.078433	-17.711999	28.25	40.055966	39.662933	19.462547
13.50	-42.971658	-36.680363	-18.536323	28.50	37.281892	41.753606	20.032199
13.75	-40.585103	-39.157443	-19.297379	28.75	34.379806	43.702114	20.533518
14.00	-38.060917	-41.502086	-19.993024	29.00	31.358710	45.500364	20.964139
14.25	-35.408773	-43.707306	-20.621384	29.25	28.228226	47.140702	21.321928
14.50	-32.638661	-45.766729	-21.180859	29.50	24.998569	48.615958	21.604999
14.75	-29.760838	-47.674599	-21.670123	29.75	21.680521	49.919503	21.811732
15.00	-26.785776	-49.425789	-22.088115	30.00	18.285385	51.045299	21.940791
15.25	-23.724116	-51.015798	-22.434042	30.25	14.824950	51.987942	21.991138
15.50	-20.586612	-52.440746	-22.707368	30.50	11.311438	52.742718	21.962048
15.75	-17.384096	-53.697374	-22.907809	30.75	7.757450	53.305634	21.853116

RECTANGULAR COORDINATES OF THE MOON 1971-1980

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DECEMBER 1974

DAY	X	Y	Z	DAY	X	Y	Z
1.00	4.175907	53.673460	21.664271	17.00	33.128451	-50.933444	-17.113429
1.25	0.579985	53.843762	21.395782	17.25	35.925848	-49.399651	-16.245330
1.50	-3.016951	53.814928	21.048259	17.50	38.619071	-47.725536	-15.331354
1.75	-6.601417	53.586185	20.622659	17.75	41.200737	-45.916317	-14.374253
2.00	-10.159885	53.157619	20.120280	18.00	43.663788	-43.977502	-13.376865
2.25	-13.678853	52.530179	19.542761	18.25	46.001497	-41.914879	-12.342107
2.50	-17.144921	51.705677	18.892076	18.50	48.207466	-39.734497	-11.272968
2.75	-20.544863	50.686785	18.170519	18.75	50.275640	-37.442657	-10.172506
3.00	-23.865701	49.477020	17.380699	19.00	52.200301	-35.045900	-9.043842
3.25	-27.094772	48.080729	16.525522	19.25	53.976078	-32.550992	-7.890151
3.50	-30.219796	46.503060	15.608179	19.50	55.597948	-29.964918	-6.714666
3.75	-33.228938	44.749936	14.632123	19.75	57.061240	-27.294869	-5.520666
4.00	-36.110869	42.828016	13.601053	20.00	58.361638	-24.548234	-4.311476
4.25	-38.854820	40.744661	12.518893	20.25	59.495187	-21.732593	-3.090464
4.50	-41.450629	38.507886	11.389770	20.50	60.458300	-18.855711	-1.861033
4.75	-43.888790	36.126315	10.217992	20.75	61.247757	-15.925524	-0.626624
5.00	-46.160489	33.609136	9.008022	21.00	61.860719	-12.950140	0.609292
5.25	-48.257638	30.966043	7.764460	21.25	62.294733	-9.937829	1.843216
5.50	-50.172907	28.207190	6.492013	21.50	62.547737	-6.897016	3.071623
5.75	-51.899745	25.343131	5.195478	21.75	62.618079	-3.836273	4.290968
6.00	-53.432398	22.384772	3.879714	22.00	62.504517	-0.764315	5.497689
6.25	-54.765925	19.343313	2.549620	22.25	62.206239	2.310010	6.688210
6.50	-55.896210	16.230195	1.210115	22.50	61.722872	5.377731	7.858947
6.75	-56.819958	13.057045	-0.133886	22.75	61.054503	8.429761	9.006315
7.00	-57.534705	9.835626	-1.477492	23.00	60.201684	11.456911	10.126729
7.25	-58.038811	6.577781	-2.815857	23.25	59.165459	14.449901	11.216616
7.50	-58.331453	3.295387	-4.144199	23.50	57.947375	17.399376	12.272418
7.75	-58.412616	0.000303	-5.457818	23.75	56.549503	20.295923	13.290603
8.00	-58.283081	-3.295681	-6.752114	24.00	54.974454	23.130090	14.267674
8.25	-57.944405	-6.580882	-8.022605	24.25	53.225402	25.892407	15.200179
8.50	-57.398906	-9.843776	-9.264943	24.50	51.306098	28.573413	16.084723
8.75	-56.649638	-13.073038	-10.474927	24.75	49.220890	31.163683	16.917981
9.00	-55.700369	-16.257583	-11.648517	25.00	46.974739	33.653860	17.696709
9.25	-54.555556	-19.386606	-12.781848	25.25	44.573234	36.034690	18.417764
9.50	-53.220313	-22.449616	-13.871243	25.50	42.022607	38.297059	19.078118
9.75	-51.700379	-25.436476	-14.913223	25.75	39.329740	40.432038	19.674875
10.00	-50.002093	-28.337430	-15.904516	26.00	36.502175	42.430924	20.205289
10.25	-48.132353	-31.143137	-16.842065	26.25	33.548114	44.285293	20.666787
10.50	-46.098581	-33.844697	-17.723040	26.50	30.476420	45.987052	21.056987
10.75	-43.908688	-36.433681	-18.544839	26.75	27.296608	47.528488	21.373716
11.00	-41.571035	-38.902144	-19.305098	27.00	24.018831	48.902330	21.615038
11.25	-39.094393	-41.242659	-20.001694	27.25	20.653865	50.101807	21.779269
11.50	-36.487902	-43.448320	-20.632746	27.50	17.213073	51.120702	21.865001
11.75	-33.761033	-45.512770	-21.196620	27.75	13.708380	51.953417	21.871119
12.00	-30.923542	-47.430203	-21.691929	28.00	10.152225	52.595026	21.796825
12.25	-27.985435	-49.195379	-22.117531	28.25	6.557512	53.041334	21.641652
12.50	-24.956923	-50.803629	-22.472532	28.50	2.937555	53.288925	21.405477
12.75	-21.848382	-52.250858	-22.756277	28.75	-0.693991	53.335217	21.088540
13.00	-18.670312	-53.533547	-22.968355	29.00	-4.323202	53.178497	20.691450
13.25	-15.433302	-54.648753	-23.108589	29.25	-7.935959	52.817964	20.215194
13.50	-12.147987	-55.594099	-23.177029	29.50	-11.518037	52.253752	19.661137
13.75	-8.825015	-56.367776	-23.173954	29.75	-15.055190	51.486957	19.031029
14.00	-5.475010	-56.968528	-23.099859	30.00	-18.533244	50.519641	18.326994
14.25	-2.108539	-57.395646	-22.955448	30.25	-21.938187	49.354838	17.551525
14.50	1.263918	-57.648953	-22.741630	30.50	-25.256266	47.996549	16.707475
14.75	4.632000	-57.728790	-22.459507	30.75	-28.474073	46.449717	15.798036
15.00	7.985491	-57.636003	-22.110366	31.00	-31.578639	44.720207	14.826726
15.25	11.314346	-57.371926	-21.695673	31.25	-34.557512	42.814766	13.797361
15.50	14.608714	-56.938363	-21.217062	31.50	-37.398844	40.740979	12.714036
15.75	17.858961	-56.337569	-20.676323	31.75	-40.091458	38.507218	11.581094
16.00	21.055685	-55.572234	-20.075399				
16.25	24.189737	-54.645465	-19.416372				
16.50	27.252235	-53.560763	-18.701457				
16.75	30.234576	-52.322009	-17.932992				

JANUARY 1975

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-42.624912	36.122580	10.403095	17.00	61.379867	-16.552586	-1.036695
1.25	-44.989560	33.596826	9.184791	17.25	62.061074	-13.593571	0.194460
1.50	-47.176597	30.940307	7.931088	17.50	62.566503	-10.597690	1.424256
1.75	-49.178099	28.163899	6.647017	17.75	62.894164	-7.573272	2.649235
2.00	-50.987051	25.278921	5.337703	18.00	63.042475	-4.528758	3.865925
2.25	-52.597369	22.297067	4.008332	18.25	63.010261	-1.472695	5.070855
2.50	-54.003914	19.230324	2.664118	18.50	62.796766	1.586275	6.260552
2.75	-55.202494	16.090907	1.310278	18.75	62.401655	4.639428	7.431549
3.00	-56.189860	12.891177	-0.048001	19.00	61.825023	7.677964	8.580390
3.25	-56.963699	9.643583	-1.405582	19.25	61.067405	10.693019	9.703631
3.50	-57.522615	6.360588	-2.757409	19.50	60.129785	13.675675	10.797851
3.75	-57.866107	3.054610	-4.098526	19.75	59.013603	16.616977	11.859653
4.00	-57.994547	-0.262034	-5.424097	20.00	57.720769	19.507935	12.885669
4.25	-57.909144	-3.577184	-6.729426	20.25	56.253674	22.339551	13.872573
4.50	-57.611915	-6.878886	-8.009973	20.50	54.615201	25.102824	14.817081
4.75	-57.105650	-10.155435	-9.261367	20.75	52.808740	27.788773	15.715964
5.00	-56.393872	-13.395417	-10.479422	21.00	50.838200	30.388453	16.566052
5.25	-55.480800	-16.587746	-11.660144	21.25	48.708021	32.892980	17.364246
5.50	-54.371310	-19.721697	-12.799741	21.50	46.423191	35.293547	18.107530
5.75	-53.070893	-22.786931	-13.894635	21.75	43.989255	37.581460	18.792981
6.00	-51.585620	-25.773528	-14.941462	22.00	41.412331	39.748159	19.417780
6.25	-49.922095	-28.672001	-15.937082	22.25	38.699118	41.785255	19.979224
6.50	-48.087423	-31.473322	-16.878579	22.50	35.856908	43.684561	20.474750
6.75	-46.089167	-34.168934	-17.763270	22.75	32.893590	45.438135	20.901938
7.00	-43.935309	-36.750770	-18.588699	23.00	29.817659	47.038318	21.258538
7.25	-41.634215	-39.211259	-19.352646	23.25	26.638212	48.477781	21.542481
7.50	-39.194600	-41.543343	-20.053121	23.50	23.364952	49.749573	21.751902
7.75	-36.625485	-43.740478	-20.688372	23.75	20.008170	50.847170	21.885158
8.00	-33.936169	-45.796646	-21.256873	24.00	16.578743	51.764533	21.940846
8.25	-31.136192	-47.706356	-21.757332	24.25	13.088108	52.496156	21.917827
8.50	-28.235299	-49.464650	-22.188686	24.50	9.548237	53.037132	21.815240
8.75	-25.243413	-51.067103	-22.550098	24.75	5.971602	53.383202	21.632529
9.00	-22.170595	-52.509821	-22.840955	25.00	2.371138	53.530818	21.369457
9.25	-19.027019	-53.789446	-23.060865	25.25	-1.239809	53.477198	21.026123
9.50	-15.822940	-54.903149	-23.209651	25.50	-4.847542	53.220377	20.602982
9.75	-12.568661	-55.848629	-23.287350	25.75	-8.438076	52.759259	20.100856
10.00	-9.274508	-56.624106	-23.294207	26.00	-11.997217	52.093663	19.520945
10.25	-5.950799	-57.228319	-23.230670	26.25	-15.510637	51.224358	18.864833
10.50	-2.607818	-57.660515	-23.097385	26.50	-18.963970	50.153097	18.134500
10.75	0.744214	-57.920445	-22.895190	26.75	-22.342903	48.882640	17.332310
11.00	4.095159	-58.008352	-22.625109	27.00	-25.633278	47.416763	16.461020
11.25	7.434995	-57.924962	-22.288349	27.25	-28.821189	45.760263	15.523761
11.50	10.753834	-57.671475	-21.886288	27.50	-31.893091	43.918946	14.524032
11.75	14.041944	-57.249549	-21.420472	27.75	-34.835902	41.899607	13.465676
12.00	17.289775	-56.661292	-20.892607	28.00	-37.637101	39.709996	12.352866
12.25	20.487978	-55.909247	-20.304551	28.25	-40.284824	37.358772	11.190071
12.50	23.627420	-54.996374	-19.658308	28.50	-42.767957	34.855450	9.982030
12.75	26.699208	-53.926044	-18.956022	28.75	-45.076217	32.210332	8.733719
13.00	29.694703	-52.702014	-18.199966	29.00	-47.200222	29.434434	7.450312
13.25	32.605537	-51.328420	-17.392534	29.25	-49.131553	26.539405	6.137148
13.50	35.423623	-49.809755	-16.536239	29.50	-50.862806	23.537435	4.799685
13.75	38.141174	-48.150857	-15.633701	29.75	-52.387632	20.441167	3.443468
14.00	40.750712	-46.356891	-14.687638	30.00	-53.700757	17.263600	2.074085
14.25	43.245079	-44.433334	-13.700865	30.25	-54.797997	14.017994	0.697127
14.50	45.617448	-42.385957	-12.676280	30.50	-55.676264	10.717777	-0.681846
14.75	47.861329	-40.220811	-11.616862	30.75	-56.333549	7.376451	-2.057339
15.00	49.970579	-37.944212	-10.525660	31.00	-56.768910	4.007506	-3.423961
15.25	51.939409	-35.562725	-9.405791	31.25	-56.982434	0.624338	-4.776450
15.50	53.762388	-33.083149	-8.260429	31.50	-56.975209	-2.759831	-6.109699
15.75	55.434450	-30.512501	-7.092803	31.75	-56.749273	-6.132022	-7.418785
16.00	56.950901	-27.858009	-5.906189				
16.25	58.307419	-25.127089	-4.703902				
16.50	59.500062	-22.327342	-3.489297				
16.75	60.525269	-19.466533	-2.265757				

FEBRUARY 1975

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-56.307566	-9.479562	-8.698987	15.00	62.721491	4.575504	7.185075
1.25	-55.653883	-12.790142	-9.945800	15.25	62.190664	7.622501	8.333273
1.50	-54.792809	-16.051864	-11.154954	15.50	61.482158	10.646087	9.456779
1.75	-53.729667	-19.253284	-12.322425	15.75	60.597096	13.637450	10.552250
2.00	-52.470458	-22.383448	-13.444442	16.00	59.537054	16.587775	11.616381
2.25	-51.021801	-25.431920	-14.517491	16.25	58.304061	19.488260	12.645914
2.50	-49.390879	-28.388805	-15.538324	16.50	56.900607	22.330128	13.637639
2.75	-47.585379	-31.244765	-16.503958	16.75	55.329645	25.104650	14.588406
3.00	-45.613440	-33.991034	-17.411672	17.00	53.594597	27.803152	15.495130
3.25	-43.483600	-36.619425	-18.259011	17.25	51.699360	30.417039	16.354798
3.50	-41.204750	-39.122335	-19.043781	17.50	49.648312	32.937810	17.164475
3.75	-38.786082	-41.492745	-19.764046	17.75	47.446316	35.357076	17.921314
4.00	-36.237051	-43.724218	-20.418118	18.00	45.098725	37.666587	18.622562
4.25	-33.567328	-45.810898	-21.004563	18.25	42.611390	39.858245	19.265573
4.50	-30.786767	-47.747503	-21.522183	18.50	39.990663	41.924134	19.847813
4.75	-27.905369	-49.529316	-21.970019	18.75	37.243401	43.856543	20.366875
5.00	-24.933242	-51.152180	-22.347340	19.00	34.376969	45.647992	20.820483
5.25	-21.880579	-52.612487	-22.653639	19.25	31.399247	47.291266	21.206512
5.50	-18.757624	-53.907168	-22.888625	19.50	28.318623	48.779440	21.522993
5.75	-15.574646	-55.033683	-23.052217	19.75	25.144000	50.105919	21.768131
6.00	-12.341914	-55.990013	-23.144538	20.00	21.884788	51.264471	21.940316
6.25	-9.069673	-56.774645	-23.165907	20.25	18.550899	52.249266	22.038139
6.50	-5.768124	-57.386564	-23.116836	20.50	15.152737	53.054915	22.060407
6.75	-2.447397	-57.825243	-22.998020	20.75	11.701186	53.676516	22.006155
7.00	0.882460	-58.090628	-22.810335	21.00	8.207595	54.109699	21.874669
7.25	4.211508	-58.183133	-22.554827	21.25	4.683748	54.350667	21.665495
7.50	7.529930	-58.103625	-22.232713	21.50	1.141844	54.396249	21.378457
7.75	10.828054	-57.853414	-21.845365	21.75	-2.405543	54.243942	21.013676
8.00	14.096362	-57.434243	-21.394316	22.00	-5.945502	53.891967	20.571578
8.25	17.325513	-56.848276	-20.881246	22.25	-9.464829	53.339305	20.052918
8.50	20.506358	-56.098089	-20.307979	22.50	-12.950092	52.585750	19.458782
8.75	23.629952	-55.186657	-19.676476	22.75	-16.387681	51.631946	18.790604
9.00	26.687570	-54.117344	-18.988832	23.00	-19.763886	50.479427	18.050175
9.25	29.670725	-52.893889	-18.247267	23.25	-23.064969	49.130649	17.239644
9.50	32.571178	-51.520398	-17.454123	23.50	-26.277249	47.589016	16.361528
9.75	35.380953	-50.001329	-16.611854	23.75	-29.387186	45.858896	15.418704
10.00	38.092351	-48.341482	-15.723026	24.00	-32.381483	43.945637	14.414414
10.25	40.697962	-46.545985	-14.790304	24.25	-35.247176	41.855560	13.352245
10.50	43.190675	-44.620281	-13.816453	24.50	-37.971734	39.595953	12.236127
10.75	45.563696	-42.570117	-12.804325	24.75	-40.543161	37.175045	11.070307
11.00	47.810552	-40.401526	-11.756857	25.00	-42.950093	34.601978	9.859337
11.25	49.925107	-38.120820	-10.677064	25.25	-45.181894	31.886757	8.608037
11.50	51.901569	-35.734570	-9.568033	25.50	-47.228746	29.040197	7.321476
11.75	53.734501	-33.249595	-8.432914	25.75	-49.081731	26.073849	6.004928
12.00	55.418829	-30.672947	-7.274916	26.00	-50.732903	22.999931	4.663846
12.25	56.949853	-28.011897	-6.097302	26.25	-52.175357	19.831237	3.303813
12.50	58.323250	-25.273921	-4.903379	26.50	-53.403274	16.581044	1.930509
12.75	59.535085	-22.466682	-3.696492	26.75	-54.411968	13.263010	0.549664
13.00	60.581817	-19.598020	-2.480023	27.00	-55.197901	9.891081	-0.832982
13.25	61.460305	-16.675936	-1.257378	27.25	-55.758706	6.479376	-2.211719
13.50	62.167813	-13.708575	-0.031985	27.50	-56.093176	3.042091	-3.580913
13.75	62.702017	-10.704215	1.192714	27.75	-56.201256	-0.406608	-4.935038
14.00	63.061009	-7.671250	2.413269	28.00	-56.084012	-3.852679	-6.268714
14.25	63.243300	-4.618175	3.626227	28.25	-55.743594	-7.282299	-7.576742
14.50	63.247827	-1.553575	4.828138	28.50	-55.183188	-10.681949	-8.854130
14.75	63.073957	1.513890	6.015562	28.75	-54.406960	-14.038486	-10.096122

MARCH

1975

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-53.419994	-17.339225	-11.298213	17.00	47.575192	35.713540	17.804791
1.25	-52.228221	-20.571986	-12.456175	17.25	45.255994	38.047141	18.510685
1.50	-50.838350	-23.725153	-13.566065	17.50	42.800263	40.263794	19.159690
1.75	-49.257798	-26.787714	-14.624235	17.75	40.214465	42.355835	19.749405
2.00	-47.494607	-29.749294	-15.627343	18.00	37.505533	44.315845	20.277564
2.25	-45.557378	-32.600180	-16.572353	18.25	34.680854	46.136674	20.742043
2.50	-43.455198	-35.331338	-17.456535	18.50	31.748270	47.811469	21.140870
2.75	-41.197568	-37.934425	-18.277466	18.75	28.716070	49.333693	21.472238
3.00	-38.794340	-40.401789	-19.033020	19.00	25.592978	50.697161	21.734510
3.25	-36.255653	-42.726474	-19.721370	19.25	22.388149	51.896058	21.926229
3.50	-33.591877	-44.902206	-20.340975	19.50	19.111150	52.924974	22.046132
3.75	-30.813556	-46.923389	-20.890570	19.75	15.771957	53.778931	22.093156
4.00	-27.931361	-48.785088	-21.369162	20.00	12.380932	54.453415	22.066452
4.25	-24.956046	-50.483015	-21.776016	20.25	8.948810	54.944403	21.965389
4.50	-21.898405	-52.013510	-22.110645	20.50	5.486673	55.248403	21.789574
4.75	-18.769234	-53.373524	-22.372802	20.75	2.005937	55.362476	21.538856
5.00	-15.579303	-54.560595	-22.562464	21.00	-1.481687	55.284280	21.213336
5.25	-12.339324	-55.572834	-22.679826	21.25	-4.964213	55.012095	20.813381
5.50	-9.059923	-56.408898	-22.725290	21.50	-8.429419	54.544862	20.339633
5.75	-5.751620	-57.067976	-22.699454	21.75	-11.864886	53.882210	19.793015
6.00	-2.424809	-57.549763	-22.603102	22.00	-15.258038	53.024495	19.174745
6.25	0.910264	-57.854445	-22.437198	22.25	-18.596195	51.972821	18.486336
6.50	4.243514	-57.982681	-22.202874	22.50	-21.866618	50.729078	17.729611
6.75	7.565032	-57.935582	-21.901423	22.75	-25.056576	49.295957	16.906699
7.00	10.865098	-57.714698	-21.534292	23.00	-28.153402	47.676982	16.020046
7.25	14.134193	-57.321999	-21.103073	23.25	-31.144562	45.876517	15.072408
7.50	17.363011	-56.759862	-20.609499	23.50	-34.017729	43.899783	14.066857
7.75	20.542468	-56.031058	-20.055434	23.75	-36.760855	41.752866	13.006768
8.00	23.663711	-55.138733	-19.442871	24.00	-39.362256	39.442708	11.895822
8.25	26.718126	-54.086404	-18.773923	24.25	-41.810686	36.977106	10.737985
8.50	29.697353	-52.877939	-18.050819	24.50	-44.095426	34.364690	9.537503
8.75	32.593288	-51.517550	-17.275896	24.75	-46.206359	31.614897	8.298879
9.00	35.398094	-50.009780	-16.451601	25.00	-48.134064	28.737938	7.026855
9.25	38.104211	-48.359495	-15.580476	25.25	-49.869882	25.744749	5.726386
9.50	40.704365	-46.571870	-14.665162	25.50	-51.405999	22.646941	4.402616
9.75	43.191574	-44.652380	-13.708389	25.75	-52.735514	19.456732	3.060844
10.00	45.559161	-42.606791	-12.712973	26.00	-53.852498	16.186879	1.706492
10.25	47.800761	-40.441149	-11.681811	26.25	-54.752051	12.850594	0.345071
10.50	49.910331	-38.161768	-10.617876	26.50	-55.430343	9.461462	-1.017859
10.75	51.882158	-35.775220	-9.524212	26.75	-55.884651	6.033345	-2.376722
11.00	53.710874	-33.288327	-8.403928	27.00	-56.113375	2.580290	-3.725972
11.25	55.391457	-30.708146	-7.260195	27.25	-56.116051	-0.883574	-5.060124
11.50	56.919250	-28.041958	-6.096239	27.50	-55.893345	-4.344126	-6.373798
11.75	58.289962	-25.297258	-4.915334	27.75	-55.447039	-7.787361	-7.661749
12.00	59.499684	-22.481738	-3.720801	28.00	-54.780006	-11.199476	-8.918908
12.25	60.544897	-19.603280	-2.515997	28.25	-53.896164	-14.566963	-10.140406
12.50	61.422477	-16.669937	-1.304310	28.50	-52.800435	-17.876696	-11.321610
12.75	62.129710	-13.689921	-0.089157	28.75	-51.498687	-21.116003	-12.458141
13.00	62.664295	-10.671588	1.126030	29.00	-49.997663	-24.272740	-13.545899
13.25	63.024356	-7.623422	2.337801	29.25	-48.304919	-27.335350	-14.581080
13.50	63.208447	-4.554021	3.542706	29.50	-46.428742	-30.292913	-15.560189
13.75	63.215562	-1.472079	4.737293	29.75	-44.378078	-33.135192	-16.480050
14.00	63.045136	1.613632	5.918117	30.00	-42.162448	-35.852664	-17.337811
14.25	62.697059	4.694277	7.081751	30.25	-39.791873	-38.436544	-18.130948
14.50	62.171674	7.760977	8.224791	30.50	-37.276792	-40.878800	-18.857263
14.75	61.469787	10.804826	9.343860	30.75	-34.627993	-43.172164	-19.514882
15.00	60.592667	13.816912	10.435623	31.00	-31.856533	-45.310129	-20.102249
15.25	59.542051	16.788335	11.496787	31.25	-28.973676	-47.286948	-20.618115
15.50	58.320150	19.710223	12.524114	31.50	-25.990828	-49.097618	-21.061535
15.75	56.929645	22.573758	13.514426	31.75	-22.919476	-50.737866	-21.431845
16.00	55.373692	25.370191	14.464614				
16.25	53.655925	28.090863	15.371645				
16.50	51.780451	30.727229	16.232572				
16.75	49.751854	33.270874	17.044539				

APRIL 1975

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-19.771136	-52.204131	-21.728667	16.00	15.522262	54.088320	21.986274
1.25	-16.557305	-53.493541	-21.951879	16.25	12.137687	54.793472	21.967843
1.50	-13.289417	-54.603886	-22.101614	16.50	8.714482	55.316833	21.876554
1.75	-9.978801	-55.533595	-22.178238	16.75	5.263704	55.655257	21.712156
2.00	-6.636656	-56.281704	-22.182343	17.00	1.796660	55.806171	21.474637
2.25	-3.274010	-56.847835	-22.114730	17.25	-1.675117	55.767598	21.164232
2.50	0.098293	-57.232162	-21.976398	17.50	-5.139908	55.538177	20.781431
2.75	3.469626	-57.435387	-21.768530	17.75	-8.585839	55.117190	20.326980
3.00	6.829590	-57.458711	-21.492482	18.00	-12.000924	54.504578	19.801886
3.25	10.168029	-57.303813	-21.149771	18.25	-15.373099	53.700957	19.207424
3.50	13.475049	-56.972820	-20.742069	18.50	-18.690273	52.707641	18.545135
3.75	16.741020	-56.468288	-20.271186	18.75	-21.940365	51.526652	17.816832
4.00	19.956594	-55.793180	-19.739064	19.00	-25.111358	50.160734	17.024598
4.25	23.112701	-54.950842	-19.147772	19.25	-28.191344	48.613363	16.170785
4.50	26.200568	-53.944989	-18.499492	19.50	-31.168581	46.888756	15.258016
4.75	29.211710	-52.779685	-17.796518	19.75	-34.031543	44.991871	14.289177
5.00	32.137947	-51.459328	-17.041243	20.00	-36.768978	42.928413	13.267416
5.25	34.971399	-49.988633	-16.236158	20.25	-39.369971	40.704823	12.196134
5.50	37.704495	-48.372620	-15.383845	20.50	-41.823994	38.328279	11.078980
5.75	40.329974	-46.616603	-14.486970	20.75	-44.120975	35.806674	9.919836
6.00	42.840888	-44.726177	-13.548282	21.00	-46.251358	33.148604	8.722810
6.25	45.230611	-42.707203	-12.570604	21.25	-48.206162	30.363341	7.492216
6.50	47.492837	-40.565806	-11.556830	21.50	-49.977042	27.460805	6.232564
6.75	49.621590	-38.308359	-10.509924	21.75	-51.556352	24.451528	4.948535
7.00	51.611226	-35.941477	-9.432912	22.00	-52.937198	21.346611	3.644963
7.25	53.456442	-33.472004	-8.328879	22.25	-54.113496	18.157676	2.326813
7.50	55.152277	-30.907011	-7.200967	22.50	-55.080016	14.896814	0.999154
7.75	56.694129	-28.253778	-6.052368	22.75	-55.832437	11.576520	-0.332868
8.00	58.077750	-25.519795	-4.886321	23.00	-56.367375	8.209631	-1.664058
8.25	59.299266	-22.712744	-3.706110	23.25	-56.682424	4.809255	-2.989201
8.50	60.355176	-19.840493	-2.515054	23.50	-56.776177	1.388696	-4.303093
8.75	61.242369	-16.911085	-1.316509	23.75	-56.648246	-2.038627	-5.600574
9.00	61.958126	-13.932729	-0.113857	24.00	-56.299266	-5.459256	-6.876558
9.25	62.500139	-10.913784	1.089495	24.25	-55.730897	-8.859778	-8.126062
9.50	62.866509	-7.862750	2.290125	24.50	-54.945813	-12.226910	-9.344242
9.75	63.055768	-4.788254	3.484599	24.75	-53.947681	-15.547574	-10.526419
10.00	63.066879	-1.699033	4.669475	25.00	-52.741135	-18.808984	-11.668104
10.25	62.899252	1.396080	5.841316	25.25	-51.331736	-21.998712	-12.765030
10.50	62.552752	4.488169	6.996692	25.50	-49.725927	-25.104768	-13.813170
10.75	62.027705	7.568259	8.132193	25.75	-47.930980	-28.115660	-14.808760
11.00	61.324910	10.627332	9.244429	26.00	-45.954939	-31.020458	-15.748316
11.25	60.445647	13.656344	10.330044	26.25	-43.806552	-33.808843	-16.628648
11.50	59.391679	16.646252	11.385726	26.50	-41.495205	-36.471153	-17.446874
11.75	58.165262	19.588028	12.408209	26.75	-39.030849	-38.998423	-18.200424
12.00	56.769151	22.472691	13.394289	27.00	-36.423928	-41.382412	-18.887049
12.25	55.206598	25.291324	14.340830	27.25	-33.685304	-43.615628	-19.504820
12.50	53.481360	28.035099	15.244774	27.50	-30.826183	-45.691337	-20.052131
12.75	51.597695	30.695308	16.103151	27.75	-27.858046	-47.603576	-20.527691
13.00	49.560364	33.263382	16.913091	28.00	-24.792576	-49.347150	-20.930520
13.25	47.374631	35.730923	17.671829	28.25	-21.641593	-50.917626	-21.259942
13.50	45.046252	38.089728	18.376721	28.50	-18.416991	-52.311322	-21.515575
13.75	42.581477	40.331817	19.025249	28.75	-15.130682	-53.525293	-21.697317
14.00	39.987038	42.449463	19.615033	29.00	-11.794537	-54.557307	-21.805339
14.25	37.270143	44.435216	20.143842	29.25	-8.420342	-55.405826	-21.840067
14.50	34.438461	46.281935	20.609603	29.50	-5.019752	-56.069973	-21.802169
14.75	31.500114	47.982812	21.010409	29.75	-1.604252	-56.549513	-21.692543
15.00	28.463661	49.531406	21.344531	30.00	1.814878	-56.844813	-21.512300
15.25	25.338079	50.921662	21.610425	30.25	5.226594	-56.956820	-21.262753
15.50	22.132750	52.147947	21.806741	30.50	8.620111	-56.887027	-20.945401
15.75	18.857437	53.205072	21.932336	30.75	11.984926	-56.637443	-20.561913

MAY

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DAY	X	Y	Z	DAY	X	Y	Z
1.00	15.310835	-56.210562	-20.114122	17.00	-34.433289	45.047490	14.185780
1.25	18.587949	-55.609338	-19.604006	17.25	-37.182666	43.019362	13.177060
1.50	21.806706	-54.837151	-19.033680	17.50	-39.795269	40.834185	12.120317
1.75	24.957876	-53.897787	-18.405384	17.75	-42.261057	38.499259	11.019195
2.00	28.032574	-52.795408	-17.721472	18.00	-44.570483	36.022518	9.877538
2.25	31.022259	-51.534534	-16.984405	18.25	-46.714549	33.412513	8.699379
2.50	33.918744	-50.120016	-16.196740	18.50	-48.684841	30.678377	7.488918
2.75	36.714192	-48.557019	-15.361124	18.75	-50.473583	27.829791	6.250513
3.00	39.401121	-46.851001	-14.480285	19.00	-52.073675	24.876952	4.988658
3.25	41.972404	-45.007700	-13.557027	19.25	-53.478734	21.830528	3.707964
3.50	44.421270	-43.033115	-12.594223	19.50	-54.683128	18.701619	2.413142
3.75	46.741304	-40.933493	-11.594810	19.75	-55.682013	15.501706	1.108981
4.00	48.926448	-38.715317	-10.561784	20.00	-56.471362	12.242606	-0.199674
4.25	50.971000	-36.385294	-9.498196	20.25	-57.047992	8.936412	-1.507943
4.50	52.869619	-33.950344	-8.407146	20.50	-57.409583	5.595447	-2.810937
4.75	54.617322	-31.417588	-7.291781	20.75	-57.554700	2.232199	-4.103777
5.00	56.209490	-28.794344	-6.155292	21.00	-57.482802	-1.140735	-5.381622
5.25	57.641868	-26.088114	-5.000905	21.25	-57.194250	-4.510712	-6.639690
5.50	58.910574	-23.306578	-3.831887	21.50	-56.690309	-7.865105	-7.873284
5.75	60.012096	-20.457583	-2.651533	21.75	-55.973144	-11.191369	-9.077813
6.00	60.943306	-17.549137	-1.463167	22.00	-55.045809	-14.477098	-10.248820
6.25	61.701459	-14.589404	-0.270138	22.25	-53.912232	-17.710095	-11.381999
6.50	62.284206	-11.586687	0.924183	22.50	-52.577190	-20.878429	-12.473221
6.75	62.689599	-8.549428	2.116410	22.75	-51.046287	-23.970498	-13.518553
7.00	62.916099	-5.486191	3.303144	23.00	-49.325912	-26.975087	-14.514276
7.25	62.962588	-2.405657	4.480979	23.25	-47.423207	-29.881420	-15.456904
7.50	62.828378	0.683390	5.646507	23.50	-45.346020	-32.679212	-16.343197
7.75	62.513221	3.772079	6.796325	23.75	-43.102853	-35.358720	-17.170181
8.00	62.017318	6.851457	7.927037	24.00	-40.702816	-37.910779	-17.935151
8.25	61.341336	9.912514	9.035266	24.25	-38.155566	-40.326844	-18.635688
8.50	60.486408	12.946193	10.117658	24.50	-35.471247	-42.599021	-19.269659
8.75	59.454157	15.943412	11.170890	24.75	-32.660433	-44.720093	-19.835230
9.00	58.246692	18.895082	12.191682	25.00	-29.734064	-46.683541	-20.330861
9.25	56.866629	21.792128	13.176800	25.25	-26.703385	-48.483557	-20.755311
9.50	55.317093	24.625515	14.123069	25.50	-23.579881	-50.115056	-21.107633
9.75	53.601727	27.386268	15.027386	25.75	-20.375217	-51.573681	-21.387174
10.00	51.724697	30.065504	15.886724	26.00	-17.101181	-52.855796	-21.593564
10.25	49.690700	32.654457	16.698148	26.25	-13.769621	-53.958484	-21.726715
10.50	47.504960	35.144508	17.458824	26.50	-10.392397	-54.879536	-21.786807
10.75	45.173233	37.527213	18.166032	26.75	-6.981321	-55.617434	-21.774278
11.00	42.701806	39.794342	18.817178	27.00	-3.548117	-56.171335	-21.689819
11.25	40.097487	41.937904	19.409806	27.25	-0.104373	-56.541045	-21.534352
11.50	37.367604	43.950188	19.941609	27.50	3.338502	-56.727003	-21.309026
11.75	34.519989	45.823792	20.410443	27.75	6.769308	-56.730244	-21.015201
12.00	31.562972	47.551659	20.814339	28.00	10.177095	-56.552382	-20.654432
12.25	28.505358	49.127115	21.151513	28.25	13.551186	-56.195574	-20.228459
12.50	25.356412	50.543897	21.420379	28.50	16.881202	-55.662493	-19.739192
12.75	22.125836	51.796196	21.619561	28.75	20.157086	-54.956300	-19.188701
13.00	18.823743	52.878680	21.747900	29.00	23.369118	-54.080613	-18.579198
13.25	15.460628	53.786535	21.804468	29.25	26.507933	-53.039479	-17.913028
13.50	12.047340	54.515491	21.788573	29.50	29.564527	-51.837345	-17.192658
13.75	8.595042	55.061850	21.699771	29.75	32.530273	-50.479033	-16.420665
14.00	5.115178	55.422518	21.537869	30.00	35.396924	-48.969712	-15.599725
14.25	1.619436	55.595023	21.302934	30.25	38.156618	-47.314877	-14.732605
14.50	-1.880302	55.577545	20.995297	30.50	40.801882	-45.520322	-13.822151
14.75	-5.371995	55.368930	20.615558	30.75	43.325633	-43.592120	-12.871284
15.00	-8.843496	54.968710	20.164585	31.00	45.721181	-41.536606	-11.882987
15.25	-12.282593	54.377116	19.643519	31.25	47.982225	-39.360352	-10.860303
15.50	-15.677063	53.595090	19.053773	31.50	50.102856	-37.070159	-9.806327
15.75	-19.014720	52.624294	18.397031	31.75	52.077554	-34.673033	-8.724198
16.00	-22.283464	51.467110	17.675244				
16.25	-25.471336	50.126648	16.890626				
16.50	-28.566566	48.606739	16.045651				
16.75	-31.557627	46.911934	15.143045				

JUNE

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DAY	X	Y	Z	DAY	X	Y	Z
1.00	53.901189	-32.176177	-7.617097	16.00	-55.879179	15.189205	1.023342
1.25	55.569016	-29.586974	-6.488239	16.25	-56.697744	11.947014	-0.280946
1.50	57.076680	-26.912978	-5.340872	16.50	-57.303895	8.660306	-1.584079
1.75	58.420210	-24.161901	-4.178270	16.75	-57.695743	5.341284	-2.881257
2.00	59.596024	-21.341606	-3.003731	17.00	-57.872258	2.002238	-4.167719
2.25	60.600927	-18.460095	-1.820573	17.25	-57.833271	-1.344515	-5.438767
2.50	61.432114	-15.525501	-0.632131	17.50	-57.579462	-4.686683	-6.689788
2.75	62.087173	-12.546082	0.558250	17.75	-57.112358	-8.012056	-7.916268
3.00	62.564088	-9.530209	1.747210	18.00	-56.434311	-11.308556	-9.113817
3.25	62.861245	-6.486362	2.931389	18.25	-55.548486	-14.564290	-10.278181
3.50	62.977434	-3.423119	4.107418	18.50	-54.458835	-17.767599	-11.405267
3.75	62.911861	-0.349149	5.271935	18.75	-53.170074	-20.907105	-12.491149
4.00	62.664151	2.726799	6.421578	19.00	-51.687657	-23.971760	-13.532092
4.25	62.234356	5.795902	7.552999	19.25	-50.017739	-26.950887	-14.524561
4.50	61.622970	8.849280	8.662861	19.50	-48.167145	-29.834222	-15.465235
4.75	60.830931	11.878002	9.747850	19.75	-46.143334	-32.611954	-16.351019
5.00	59.859638	14.873101	10.804675	20.00	-43.954355	-35.274761	-17.179054
5.25	58.710958	17.825591	11.830080	20.25	-41.608808	-37.813839	-17.946726
5.50	57.387240	20.726478	12.820846	20.50	-39.115801	-40.220938	-18.651672
5.75	55.891321	23.566786	13.773802	20.75	-36.484898	-42.488384	-19.291790
6.00	54.226543	26.337570	14.685834	21.00	-33.726080	-44.609104	-19.865238
6.25	52.396762	29.029942	15.553892	21.25	-30.849687	-46.576646	-20.370444
6.50	50.406351	31.635093	16.375000	21.50	-27.866377	-48.385192	-20.806103
6.75	48.260220	34.144320	17.146271	21.75	-24.787071	-50.029574	-21.171177
7.00	45.963812	36.549058	17.864913	22.00	-21.622906	-51.505279	-21.464898
7.25	43.523116	38.840904	18.528243	22.25	-18.385181	-52.808456	-21.686762
7.50	40.944664	41.011656	19.133701	22.50	-15.085316	-53.935917	-21.836526
7.75	38.235539	43.053345	19.678864	22.75	-11.734793	-54.885135	-21.914207
8.00	35.403363	44.958273	20.161456	23.00	-8.345120	-55.654236	-21.920069
8.25	32.456301	46.719048	20.579366	23.25	-4.927777	-56.241993	-21.854618
8.50	29.403045	48.328630	20.930659	23.50	-1.494181	-56.647810	-21.718600
8.75	26.252805	49.780365	21.213593	23.75	1.944363	-56.871715	-21.512981
9.00	23.015289	51.068030	21.426632	24.00	5.376695	-56.914333	-21.238948
9.25	19.700683	52.185872	21.568460	24.25	8.791837	-56.776876	-20.897892
9.50	16.319625	53.128653	21.637993	24.50	12.179028	-56.461115	-20.491397
9.75	12.883173	53.891686	21.634396	24.75	15.527753	-55.969361	-20.021234
10.00	9.402772	54.470876	21.557090	25.00	18.827772	-55.304438	-19.489343
10.25	5.890211	54.862757	21.405764	25.25	22.069142	-54.469663	-18.897826
10.50	2.357581	55.064528	21.180386	25.50	25.242243	-53.468813	-18.248934
10.75	-1.182772	55.074080	20.881210	25.75	28.337793	-52.306107	-17.545055
11.00	-4.718305	54.890029	20.508781	26.00	31.346868	-50.986174	-16.788703
11.25	-8.236326	54.511741	20.063942	26.25	34.260912	-49.514028	-15.982507
11.50	-11.724060	53.939344	19.547834	26.50	37.071751	-47.895045	-15.129200
11.75	-15.168703	53.173754	18.961898	26.75	39.771604	-46.134935	-14.231610
12.00	-18.557492	52.216675	18.307873	27.00	42.353087	-44.239720	-13.292647
12.25	-21.877763	51.070610	17.587791	27.25	44.809217	-42.215710	-12.315298
12.50	-25.117020	49.738857	16.803975	27.50	47.133423	-40.069478	-11.302615
12.75	-28.262996	48.225503	15.959026	27.75	49.319540	-37.807843	-10.257708
13.00	-31.303721	46.535416	15.055816	28.00	51.361816	-35.437848	-9.183737
13.25	-34.227580	44.674222	14.097476	28.25	53.254909	-32.966739	-8.083903
13.50	-37.023378	42.648284	13.087383	28.50	54.993889	-30.401952	-6.961446
13.75	-39.680394	40.464681	12.029141	28.75	56.574237	-27.751093	-5.819635
14.00	-42.188437	38.131167	10.926571	29.00	57.991840	-25.021925	-4.661763
14.25	-44.537899	35.656140	9.783683	29.25	59.242996	-22.222350	-3.491142
14.50	-46.719803	33.048602	8.604669	29.50	60.324406	-19.360403	-2.311100
14.75	-48.725846	30.318114	7.393870	29.75	61.233179	-16.444232	-1.124972
15.00	-50.548434	27.474751	6.155767	30.00	61.966827	-13.482092	0.063898
15.25	-52.180724	24.529052	4.894948	30.25	62.523268	-10.482335	1.252167
15.50	-53.616649	21.491968	3.616097	30.50	62.900823	-7.453396	2.436490
15.75	-54.850947	18.374813	2.323963	30.75	63.098220	-4.403787	3.613533

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DAY	X	Y	Z	DAY	X	Y	Z
1.00	63.114595	-1.342087	4.779966	17.00	-46.086607	-32.986058	-16.330557
1.25	62.949494	1.723065	5.932473	17.25	-43.929303	-35.645157	-17.164031
1.50	62.602878	4.782983	7.067756	17.50	-41.616605	-38.179328	-17.937307
1.75	62.075126	7.828940	8.182534	17.75	-39.157624	-40.580703	-18.648157
2.00	61.367044	10.852176	9.273552	18.00	-36.561861	-42.841993	-19.294603
2.25	60.479867	13.843913	10.337583	18.25	-33.839168	-44.956498	-19.874920
2.50	59.415268	16.795359	11.371432	18.50	-30.999698	-46.918124	-20.387637
2.75	58.175369	19.697726	12.371942	18.75	-28.053868	-48.721382	-20.831535
3.00	56.762746	22.542240	13.336001	19.00	-25.012310	-50.361400	-21.205646
3.25	55.180440	25.320154	14.260545	19.25	-21.885837	-51.833921	-21.509249
3.50	53.431967	28.022769	15.142568	19.50	-18.685396	-53.135306	-21.741868
3.75	51.521328	30.641445	15.979126	19.75	-15.422030	-54.262529	-21.903270
4.00	49.453018	33.167624	16.767350	20.00	-12.106842	-55.213178	-21.993455
4.25	47.232039	35.592854	17.504451	20.25	-8.750954	-55.985445	-22.012655
4.50	44.863904	37.908809	18.187731	20.50	-5.365470	-56.578120	-21.961329
4.75	42.354651	40.107316	18.814594	20.75	-1.961445	-56.990582	-21.840152
5.00	39.710845	42.180389	19.382558	21.00	1.450153	-57.222787	-21.650011
5.25	36.939586	44.120252	19.889266	21.25	4.858476	-57.275256	-21.391997
5.50	34.048513	45.919381	20.332503	21.50	8.252820	-57.149061	-21.067397
5.75	31.045803	47.570536	20.710201	21.75	11.622665	-56.845809	-20.677686
6.00	27.940166	49.066798	21.020465	22.00	14.957695	-56.367625	-20.224518
6.25	24.740845	50.401617	21.261578	22.25	18.247825	-55.717135	-19.709716
6.50	21.457600	51.568848	21.432023	22.50	21.483229	-54.897447	-19.135265
6.75	18.100698	52.562796	21.530496	22.75	24.654361	-53.912129	-18.503301
7.00	14.680891	53.378265	21.555921	23.00	27.751973	-52.765191	-17.816101
7.25	11.209391	54.010601	21.507466	23.25	30.767139	-51.461065	-17.076077
7.50	7.697842	54.455741	21.384558	23.50	33.691267	-50.004577	-16.285761
7.75	4.158281	54.710250	21.186899	23.75	36.516118	-48.400933	-15.447798
8.00	0.603097	54.771378	20.914473	24.00	39.233820	-46.655691	-14.564939
8.25	-2.955018	54.637090	20.567567	24.25	41.836877	-44.774741	-13.640026
8.50	-6.503120	54.306108	20.146773	24.50	44.318180	-42.764284	-12.675990
8.75	-10.028076	53.777947	19.652998	24.75	46.671017	-40.630808	-11.675834
9.00	-13.516629	53.052948	19.087475	25.00	48.889080	-38.381069	-10.642631
9.25	-16.955464	52.132293	18.451761	25.25	50.966469	-36.022065	-9.579511
9.50	-20.331285	51.018032	17.747737	25.50	52.897698	-33.561022	-8.489656
9.75	-23.630890	49.713092	16.977612	25.75	54.677698	-31.005371	-7.376291
10.00	-26.841250	48.221279	16.143914	26.00	56.301816	-28.362726	-6.242675
10.25	-29.949590	46.547276	15.249480	26.25	57.765824	-25.640873	-5.092097
10.50	-32.943465	44.696632	14.297451	26.50	59.065911	-22.847745	-3.927868
10.75	-35.810845	42.675740	13.291251	26.75	60.198689	-19.991410	-2.753314
11.00	-38.540187	40.491813	12.234577	27.00	61.161188	-17.080051	-1.571771
11.25	-41.120508	38.152845	11.131372	27.25	61.950860	-14.121957	-0.386578
11.50	-43.541458	35.667572	9.985812	27.50	62.565573	-11.125502	0.798926
11.75	-45.793381	33.045419	8.802273	27.75	63.003615	-8.099138	1.981409
12.00	-47.867370	30.296450	7.585314	28.00	63.263687	-5.051377	3.157549
12.25	-49.755324	27.431303	6.339642	28.25	63.344909	-1.990781	4.324041
12.50	-51.449985	24.461131	5.070092	28.50	63.246814	1.074050	5.477598
12.75	-52.944978	21.397528	3.781590	28.75	62.969351	4.134487	6.614957
13.00	-54.234838	18.252467	2.479132	29.00	62.512885	7.181887	7.732885
13.25	-55.315028	15.038224	1.167751	29.25	61.878197	10.207599	8.828179
13.50	-56.181956	11.767307	-0.147511	29.50	61.066486	13.202980	9.897673
13.75	-56.832978	8.452387	-1.461626	29.75	60.079372	16.159398	10.938241
14.00	-57.266391	5.106225	-2.769615	30.00	58.918900	19.068250	11.946801
14.25	-57.481433	1.741609	-4.066563	30.25	57.587541	21.920970	12.920320
14.50	-57.478264	-1.628717	-5.347650	30.50	56.088197	24.709040	13.855819
14.75	-57.257945	-4.992111	-6.608169	30.75	54.424210	27.424005	14.750379
15.00	-56.822415	-8.336096	-7.843549	31.00	52.599363	30.057483	15.601143
15.25	-56.174459	-11.648412	-9.049371	31.25	50.617888	32.601184	16.405325
15.50	-55.317681	-14.917069	-10.221387	31.50	48.484474	35.046920	17.160217
15.75	-54.256461	-18.130397	-11.355535	31.75	46.204271	37.386629	17.863192
16.00	-52.995921	-21.277085	-12.447948				
16.25	-51.541883	-24.346228	-13.494976				
16.50	-49.900826	-27.327354	-14.493183				
16.75	-48.079846	-30.210465	-15.439366				

AUGUST 1975

DAY	X	Y	Z	DAY	X	Y	Z
1.00	43.782901	39.612390	18.511717	17.00	-1.756799	-57.199270	-21.721715
1.25	41.226461	41.716445	19.103358	17.25	1.632590	-57.437739	-21.545958
1.50	38.541532	43.691221	19.635790	17.50	5.018459	-57.496015	-21.302672
1.75	35.735182	45.529358	20.106807	17.75	8.390350	-57.375321	-20.993149
2.00	32.814972	47.223735	20.514333	18.00	11.737994	-57.077383	-20.618856
2.25	29.788962	48.767500	20.856433	18.25	15.051332	-56.604411	-20.181426
2.50	26.665706	50.154102	21.131326	18.50	18.320538	-55.959083	-19.682648
2.75	23.454255	51.377328	21.337397	18.75	21.536032	-55.144528	-19.124461
3.00	20.164153	52.431339	21.473213	19.00	24.688504	-54.164310	-18.508945
3.25	16.805427	53.310710	21.537535	19.25	27.768926	-53.022410	-17.838315
3.50	13.388578	54.010470	21.529333	19.50	30.768571	-51.723209	-17.114911
3.75	9.924565	54.526150	21.447802	19.75	33.679025	-50.271467	-16.341191
4.00	6.424783	54.853825	21.292378	20.00	36.492202	-48.672311	-15.519724
4.25	2.901038	54.990160	21.062753	20.25	39.200356	-46.931214	-14.653179
4.50	-0.634487	54.932456	20.758887	20.50	41.796096	-45.053974	-13.744324
4.75	-4.169266	54.678698	20.381026	20.75	44.272393	-43.046701	-12.796010
5.00	-7.690480	54.227598	19.929712	21.00	46.622589	-40.915797	-11.811169
5.25	-11.185068	53.578637	19.405800	21.25	48.840411	-38.667934	-10.792805
5.50	-14.639781	52.732108	18.810461	21.50	50.919978	-36.310041	-9.743985
5.75	-18.041253	51.689146	18.145197	21.75	52.855803	-33.849284	-8.667833
6.00	-21.376067	50.451765	17.411841	22.00	54.642807	-31.293044	-7.567523
6.25	-24.630838	49.022879	16.612566	22.25	56.276319	-28.648902	-6.446270
6.50	-27.792287	47.406319	15.749881	22.50	57.752082	-25.924623	-5.307324
6.75	-30.847336	45.606843	14.826628	22.75	59.066259	-23.128134	-4.153962
7.00	-33.783192	43.630140	13.845977	23.00	60.215433	-20.267508	-2.989483
7.25	-36.587436	41.482813	12.811413	23.25	61.196611	-17.350947	-1.817200
7.50	-39.248120	39.172369	11.726723	23.50	62.007226	-14.386766	-0.640434
7.75	-41.753851	36.707185	10.595978	23.75	62.645137	-11.383372	0.537494
8.00	-44.093880	34.096471	9.423512	24.00	63.108629	-8.349255	1.713267
8.25	-46.258184	31.350219	8.213894	24.25	63.396417	-5.292966	2.883576
8.50	-48.237544	28.479147	6.971904	24.50	63.507640	-2.223104	4.045133
8.75	-50.023608	25.494634	5.702499	24.75	63.441866	0.851699	5.194670
9.00	-51.608958	22.408642	4.410786	25.00	63.199086	3.922794	6.328944
9.25	-52.987156	19.233639	3.101978	25.25	62.779719	6.981526	7.444748
9.50	-54.152787	15.982513	1.781369	25.50	62.184606	10.019252	8.538910
9.75	-55.101486	12.668486	0.454292	25.75	61.415010	13.027351	9.608304
10.00	-55.829958	9.305020	-0.873914	26.00	60.472618	15.997240	10.649848
10.25	-56.335983	5.905730	-2.197938	26.25	59.359538	18.920386	11.660514
10.50	-56.618415	2.484294	-3.512534	26.50	58.078297	21.788320	12.637332
10.75	-56.677166	-0.945638	-4.812547	26.75	56.631844	24.592649	13.577394
11.00	-56.513187	-4.370520	-6.092948	27.00	55.023549	27.325068	14.477857
11.25	-56.128430	-7.776995	-7.348860	27.25	53.257202	29.977379	15.335952
11.50	-55.525815	-11.151967	-8.575579	27.50	51.337014	32.541497	16.148987
11.75	-54.709186	-14.482667	-9.768599	27.75	49.267620	35.009472	16.914353
12.00	-53.683251	-17.756716	-10.923633	28.00	47.054077	37.373499	17.629527
12.25	-52.453541	-20.962177	-12.036624	28.25	44.701868	39.625933	18.292084
12.50	-51.026342	-24.087603	-13.103761	28.50	42.216903	41.759312	18.899697
12.75	-49.408644	-27.122080	-14.121490	28.75	39.605520	43.766367	19.450145
13.00	-47.608074	-30.055259	-15.086522	29.00	36.874486	45.640045	19.941326
13.25	-45.632840	-32.877383	-15.995837	29.25	34.031000	47.373532	20.371254
13.50	-43.491672	-35.579313	-16.846690	29.50	31.082692	48.960269	20.738079
13.75	-41.193760	-38.152540	-17.636609	29.75	28.037624	50.393979	21.040087
14.00	-38.748702	-40.589199	-18.363399	30.00	24.904289	51.668693	21.275712
14.25	-36.166443	-42.882079	-19.025139	30.25	21.691608	52.778777	21.443549
14.50	-33.457229	-45.024620	-19.620177	30.50	18.408926	53.718961	21.542360
14.75	-30.631551	-47.010920	-20.147127	30.75	15.066008	54.484368	21.571088
15.00	-27.700102	-48.835726	-20.604867	31.00	11.673027	55.070551	21.528868
15.25	-24.673730	-50.494435	-20.992529	31.25	8.240555	55.473528	21.415038
15.50	-21.563397	-51.983079	-21.309495	31.50	4.779550	55.689814	21.229155
15.75	-18.380138	-53.298321	-21.555389	31.75	1.301332	55.716465	20.971002
16.00	-15.135023	-54.437442	-21.730071				
16.25	-11.839125	-55.398329	-21.833631				
16.50	-8.503484	-56.179463	-21.866376				
16.75	-5.139080	-56.779903	-21.828829				

SEPTEMBER 1975

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-2.182434	55.551114	20.640608	16.00	33.806687	-50.263978	-16.152469
1.25	-5.659770	55.192013	20.238255	16.25	36.612830	-48.676307	-15.347439
1.50	-9.118417	54.638075	19.764493	16.50	39.313468	-46.945553	-14.497330
1.75	-12.545873	53.888909	19.220153	16.75	41.901385	-45.077557	-13.604874
2.00	-15.929438	52.944867	18.606356	17.00	44.369723	-43.078448	-12.672884
2.25	-19.256267	51.807074	17.924525	17.25	46.711987	-40.954630	-11.704248
2.50	-22.513426	50.477472	17.176391	17.50	48.922052	-38.712763	-10.701918
2.75	-25.687955	48.958840	16.364003	17.75	50.994167	-36.359753	-9.668909
3.00	-28.766943	47.254833	15.489731	18.00	52.922968	-33.902734	-8.608289
3.25	-31.737597	45.369993	14.556268	18.25	54.703477	-31.349054	-7.523177
3.50	-34.587332	43.309771	13.566628	18.50	56.331110	-28.706257	-6.416733
3.75	-37.303850	41.080526	12.524142	18.75	57.801685	-25.982074	-5.292154
4.00	-39.875231	38.689530	11.432452	19.00	59.111423	-23.184401	-4.152667
4.25	-42.290028	36.144950	10.295499	19.25	60.256958	-20.321289	-3.001525
4.50	-44.537355	33.455827	9.117504	19.50	61.235335	-17.400925	-1.841997
4.75	-46.606981	30.632048	7.902954	19.75	62.044020	-14.431619	-0.677368
5.00	-48.489420	27.684293	6.656572	20.00	62.680903	-11.421785	0.489016
5.25	-50.176010	24.623991	5.383299	20.25	63.144297	-8.379930	1.654045
5.50	-51.658998	21.463245	4.088254	20.50	63.432944	-5.314630	2.814258
5.75	-52.931607	18.214762	2.776708	20.75	63.546020	-2.234523	3.966444
6.00	-53.988097	14.891770	1.454044	21.00	63.483132	0.851714	5.107354
6.25	-54.823818	11.507926	0.125721	21.25	63.244321	3.935380	6.233761
6.50	-55.435243	8.077219	-1.202766	21.50	62.830064	7.007765	7.342473
6.75	-55.820000	4.613871	-2.525925	21.75	62.241275	10.060167	8.430332
7.00	-55.976880	1.132234	-3.838305	22.00	61.479300	13.083910	9.494225
7.25	-55.905837	-2.353315	-5.134538	22.25	60.545924	16.070361	10.531088
7.50	-55.607977	-5.828473	-6.409371	22.50	59.443362	19.010943	11.537913
7.75	-55.085527	-9.279115	-7.657707	22.75	58.174263	21.897155	12.511756
8.00	-54.341803	-12.691377	-8.874630	23.00	56.741706	24.720588	13.449737
8.25	-53.381158	-16.051755	-10.055441	23.25	55.149199	27.472942	14.349052
8.50	-52.208930	-19.347178	-11.195675	23.50	53.400672	30.146040	15.206976
8.75	-50.831374	-22.565084	-12.291132	23.75	51.500481	32.731849	16.020871
9.00	-49.255593	-25.693477	-13.337888	24.00	49.453396	35.222494	16.788188
9.25	-47.489466	-28.720986	-14.332315	24.25	47.264607	37.610272	17.506478
9.50	-45.541571	-31.636907	-15.271086	24.50	44.939711	39.887678	18.173392
9.75	-43.421109	-34.431239	-16.151183	24.75	42.484713	42.047411	18.786695
10.00	-41.137819	-37.094709	-16.969907	25.00	39.906021	44.082401	19.344263
10.25	-38.701913	-39.618794	-17.724871	25.25	37.210440	45.985822	19.844096
10.50	-36.123993	-41.995727	-18.414004	25.50	34.405166	47.751111	20.284323
10.75	-33.414985	-44.218502	-19.035542	25.75	31.497783	49.371987	20.663207
11.00	-30.586069	-46.280876	-19.588026	26.00	28.496254	50.842472	20.979150
11.25	-27.648617	-48.177355	-20.070291	26.25	25.408916	52.156909	21.230705
11.50	-24.614132	-49.903187	-20.481460	26.50	22.244473	53.309986	21.416580
11.75	-21.494199	-51.454345	-20.820935	26.75	19.011984	54.296752	21.535645
12.00	-18.300427	-52.827507	-21.088379	27.00	15.720860	55.112650	21.586941
12.25	-15.044414	-54.020037	-21.283711	27.25	12.380847	55.753531	21.569688
12.50	-11.737697	-55.029964	-21.407095	27.50	9.002016	56.215683	21.483293
12.75	-8.391721	-55.855955	-21.458924	27.75	5.594750	56.495859	21.327358
13.00	-5.017802	-56.497291	-21.439812	28.00	2.169728	56.591300	21.101687
13.25	-1.627104	-56.953844	-21.350579	28.25	-1.262096	56.499765	20.806300
13.50	1.769394	-57.226055	-21.192243	28.50	-4.689512	56.219560	20.441436
13.75	5.160917	-57.314905	-20.966010	28.75	-8.101077	55.749565	20.007567
14.00	8.536912	-57.221891	-20.673259	29.00	-11.485147	55.089268	19.505401
14.25	11.887074	-56.949009	-20.315534	29.25	-14.829903	54.238790	18.935899
14.50	15.201353	-56.498725	-19.894536	29.50	-18.123391	53.198918	18.300273
14.75	18.469974	-55.873956	-19.412114	29.75	-21.353559	51.971134	17.600002
15.00	21.683447	-55.078050	-18.870252	30.00	-24.508302	50.557638	16.836835
15.25	24.832580	-54.114766	-18.271064	30.25	-27.575511	48.961382	16.012797
15.50	27.908488	-52.988253	-17.616787	30.50	-30.543128	47.186087	15.130194
15.75	30.902604	-51.703031	-16.909770	30.75	-33.399205	45.236266	14.191616

OCTOBER 1975

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-36.131967	43.117238	13.199937	17.00	61.955768	-14.552394	-0.639563
1.25	-38.729882	40.835144	12.158315	17.25	62.597531	-11.547229	0.515493
1.50	-41.181732	38.396946	11.070189	17.50	63.064843	-8.508307	1.669552
1.75	-43.476691	35.810433	9.939271	17.75	63.356474	-5.444191	2.819367
2.00	-45.604403	33.084204	8.769538	18.00	63.471621	-2.363510	3.961698
2.25	-47.555067	30.227660	7.565217	18.25	63.409905	0.725054	5.093320
2.50	-49.319510	27.250972	6.330774	18.50	63.171381	3.812785	6.211028
2.75	-50.889278	24.165048	5.070890	18.75	62.756536	6.890946	7.311644
3.00	-52.256707	20.981487	3.790442	19.00	62.166300	9.950793	8.392022
3.25	-53.415006	17.712528	2.494472	19.25	61.402040	12.983597	9.449055
3.50	-54.358320	14.370981	1.188166	19.50	60.465570	15.980658	10.479682
3.75	-55.081799	10.970156	-0.123188	19.75	59.359145	18.933323	11.480893
4.00	-55.581648	7.523780	-1.434225	20.00	58.085471	21.833007	12.449738
4.25	-55.855178	4.045910	-2.739546	20.25	56.647697	24.671208	13.383334
4.50	-55.900835	0.550835	-4.033753	20.50	55.049420	27.439530	14.278870
4.75	-55.718222	-2.947022	-5.311489	20.75	53.294678	30.129701	15.133616
5.00	-55.308113	-6.433207	-6.567472	21.00	51.387955	32.733596	15.944930
5.25	-54.672441	-9.893337	-7.796542	21.25	49.334169	35.243254	16.710264
5.50	-53.814290	-13.313208	-8.993688	21.50	47.138675	37.650902	17.427174
5.75	-52.737857	-16.678890	-10.154089	21.75	44.807253	39.948972	18.093324
6.00	-51.448413	-19.976825	-11.273143	22.00	42.346105	42.130130	18.706497
6.25	-49.952249	-23.193914	-12.346498	22.25	39.761848	44.187289	19.264599
6.50	-48.256616	-26.317604	-13.370076	22.50	37.061500	46.113634	19.765666
6.75	-46.369645	-29.335959	-14.340094	22.75	34.252475	47.902643	20.207875
7.00	-44.300280	-32.237719	-15.253083	23.00	31.342570	49.548110	20.589547
7.25	-42.058185	-35.012363	-16.105904	23.25	28.339954	51.044164	20.909156
7.50	-39.653665	-37.650144	-16.895750	23.50	25.253152	52.385290	21.165333
7.75	-37.097570	-40.142129	-17.620157	23.75	22.091032	53.566352	21.356877
8.00	-34.401217	-42.480215	-18.277007	24.00	18.862790	54.582613	21.482758
8.25	-31.576295	-44.657148	-18.864521	24.25	15.577932	55.429753	21.542122
8.50	-28.634787	-46.666524	-19.381258	24.50	12.246258	56.103894	21.534304
8.75	-25.588889	-48.502788	-19.826106	24.75	8.877840	56.601619	21.458825
9.00	-22.450930	-50.161222	-20.198275	25.00	5.483003	56.919990	21.315404
9.25	-19.233310	-51.637929	-20.497278	25.25	2.072304	57.056569	21.103962
9.50	-15.948430	-52.929806	-20.722930	25.50	-1.343491	57.009440	20.824627
9.75	-12.608636	-54.034528	-20.875322	25.75	-4.753436	56.777226	20.477740
10.00	-9.226167	-54.950509	-20.954812	26.00	-8.146425	56.359108	20.063857
10.25	-5.813107	-55.676874	-20.962010	26.25	-11.511227	55.754846	19.583760
10.50	-2.381345	-56.213427	-20.897761	26.50	-14.836510	54.964795	19.038453
10.75	1.057460	-56.560614	-20.763128	26.75	-18.110877	53.989923	18.429175
11.00	4.491910	-56.719490	-20.559380	27.00	-21.322901	52.831829	17.757396
11.25	7.910891	-56.691685	-20.287976	27.25	-24.461157	51.492759	17.024821
11.50	11.303599	-56.479368	-19.950551	27.50	-27.514268	49.975619	16.233400
11.75	14.659553	-56.085218	-19.548903	27.75	-30.470941	48.283987	15.385318
12.00	17.968614	-55.512390	-19.084977	28.00	-33.320016	46.422130	14.483003
12.25	21.220988	-54.764486	-18.560860	28.25	-36.050509	44.395005	13.529127
12.50	24.407247	-53.845525	-17.978763	28.50	-38.651667	42.208271	12.526597
12.75	27.518324	-52.759921	-17.341014	28.75	-41.113016	39.868294	11.478560
13.00	30.545526	-51.512453	-16.650048	29.00	-43.424419	37.382138	10.388393
13.25	33.480535	-50.108242	-15.908395	29.25	-45.576132	34.757570	9.259700
13.50	36.315411	-48.552733	-15.118679	29.50	-47.558865	32.003047	8.096304
13.75	39.042593	-46.851671	-14.283602	29.75	-49.363843	29.127700	6.902235
14.00	41.654903	-45.011084	-13.405941	30.00	-50.982865	26.141318	5.681720
14.25	44.145544	-43.037266	-12.488544	30.25	-52.408371	23.054320	4.439168
14.50	46.508105	-40.936760	-11.534316	30.50	-53.633501	19.877721	3.179153
14.75	48.736558	-38.716340	-10.546223	30.75	-54.652156	16.623097	1.906396
15.00	50.825260	-36.383001	-9.527279	31.00	-55.459058	13.302535	0.625740
15.25	52.768960	-33.943943	-8.480544	31.25	-56.049803	9.928581	-0.657868
15.50	54.562792	-31.406557	-7.409117	31.50	-56.420914	6.514179	-1.939409
15.75	56.202282	-28.778415	-6.316135	31.75	-56.569886	3.072604	-3.213816
16.00	57.683351	-26.067257	-5.204766				
16.25	59.002315	-23.280974	-4.078201				
16.50	60.155892	-20.427605	-2.939656				
16.75	61.141201	-17.515316	-1.792362				

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DAY	X	Y	Z	DAY	X	Y	Z
1.00	-56.495219	-0.382611	-4.476005	16.00	59.408680	18.404630	11.324067
1.25	-56.196459	-3.837753	-5.720909	16.25	58.150683	21.309217	12.292277
1.50	-55.674209	-7.279015	-6.943505	16.50	56.725888	24.154265	13.225818
1.75	-54.930148	-10.692583	-8.138853	16.75	55.137814	26.931312	14.121857
2.00	-53.967030	-14.064722	-9.302122	17.00	53.390440	29.631998	14.977638
2.25	-52.788677	-17.381870	-10.428633	17.25	51.488197	32.248089	15.790483
2.50	-51.399957	-20.630729	-11.513877	17.50	49.435973	34.771495	16.557806
2.75	-49.806755	-23.798351	-12.553558	17.75	47.239113	37.194298	17.277116
3.00	-48.015933	-26.872226	-13.543613	18.00	44.903414	39.508773	17.946026
3.25	-46.035274	-29.840358	-14.480242	18.25	42.435125	41.707414	18.562269
3.50	-43.873429	-32.691347	-15.359925	18.50	39.840936	43.782956	19.123696
3.75	-41.539843	-35.414449	-16.179451	18.75	37.127978	45.728405	19.628293
4.00	-39.044682	-37.999637	-16.935923	19.00	34.303807	47.537064	20.074188
4.25	-36.398754	-40.437655	-17.626778	19.25	31.376400	49.202557	20.459658
4.50	-33.613424	-42.720053	-18.249793	19.50	28.354134	50.718859	20.783138
4.75	-30.700530	-44.839223	-18.803088	19.75	25.245774	52.080319	21.043233
5.00	-27.672293	-46.788419	-19.285131	20.00	22.060459	53.281690	21.238724
5.25	-24.541232	-48.561768	-19.694733	20.25	18.807676	54.318153	21.368573
5.50	-21.320081	-50.154275	-20.031043	20.50	15.497240	55.185344	21.431936
5.75	-18.021707	-51.561815	-20.293540	20.75	12.139271	55.879376	21.428168
6.00	-14.659032	-52.781126	-20.482025	21.00	8.744170	56.396864	21.356827
6.25	-11.244964	-53.809784	-20.596603	21.25	5.322582	56.734947	21.217684
6.50	-7.792325	-54.646182	-20.637674	21.50	1.885378	56.891308	21.010726
6.75	-4.313796	-55.289496	-20.605914	21.75	-1.556388	56.864197	20.736160
7.00	-0.821862	-55.739657	-20.502261	22.00	-4.991505	56.652445	20.394420
7.25	2.671241	-55.997311	-20.327897	22.25	-8.408647	56.255480	19.986167
7.50	6.153562	-56.063778	-20.084227	22.50	-11.796401	55.673344	19.512293
7.75	9.613475	-55.941017	-19.772868	22.75	-15.143315	54.906704	18.973923
8.00	13.039705	-55.631585	-19.395628	23.00	-18.437930	53.956862	18.372414
8.25	16.421358	-55.138596	-18.954489	23.25	-21.668824	52.825764	17.709355
8.50	19.747938	-54.465679	-18.451594	23.50	-24.824651	51.516004	16.986570
8.75	23.009360	-53.616944	-17.889227	23.75	-27.894186	50.030830	16.206111
9.00	26.195968	-52.596942	-17.269805	24.00	-30.866367	48.374145	15.370257
9.25	29.298535	-51.410634	-16.595858	24.25	-33.730337	46.550505	14.481510
9.50	32.308276	-50.063352	-15.870021	24.50	-36.475492	44.565116	13.542594
9.75	35.216845	-48.560775	-15.095020	24.75	-39.091521	42.423830	12.556442
10.00	38.016337	-46.908891	-14.273663	25.00	-41.568456	40.133132	11.526197
10.25	40.699290	-45.113981	-13.408828	25.25	-43.896711	37.700132	10.455198
10.50	43.258677	-43.182585	-12.503458	25.50	-46.067136	35.132551	9.346978
10.75	45.687906	-41.121486	-11.560549	25.75	-48.071055	32.438700	8.205248
11.00	47.980817	-38.937687	-10.583144	26.00	-49.900313	29.627465	7.033887
11.25	50.131678	-36.638391	-9.574327	26.25	-51.547322	26.708278	5.836935
11.50	52.135176	-34.230985	-8.537218	26.50	-53.005105	23.691094	4.618574
11.75	53.986421	-31.723028	-7.474965	26.75	-54.267335	20.586356	3.383115
12.00	55.680934	-29.122228	-6.390742	27.00	-55.328382	17.404965	2.134985
12.25	57.214651	-26.436438	-5.287741	27.25	-56.183351	14.158239	0.878705
12.50	58.583913	-23.673641	-4.169172	27.50	-56.828115	10.857874	-0.381123
12.75	59.785474	-20.841934	-3.038255	27.75	-57.259357	7.515891	-1.639840
13.00	60.816488	-17.949526	-1.898217	28.00	-57.474599	4.144596	-2.892748
13.25	61.674517	-15.004719	-0.752293	28.25	-57.472229	0.756520	-4.135131
13.50	62.357530	-12.015907	0.396284	28.50	-57.251526	-2.635638	-5.362282
13.75	62.863900	-8.991557	1.544285	28.75	-56.812683	-6.019069	-6.569521
14.00	63.192410	-5.940205	2.688485	29.00	-56.156814	-9.380915	-7.752226
14.25	63.342253	-2.870445	3.825673	29.25	-55.285969	-12.708343	-8.905848
14.50	63.313037	0.209084	4.952651	29.50	-54.203133	-15.988606	-10.025948
14.75	63.104788	3.289706	6.066240	29.75	-52.912221	-19.209112	-11.108211
15.00	62.717951	6.362722	7.163286	30.00	-51.418066	-22.357501	-12.148478
15.25	62.153400	9.419421	8.240662	30.25	-49.726404	-25.421706	-13.142770
15.50	61.412439	12.451095	9.295279	30.50	-47.843841	-28.390028	-14.087303
15.75	60.496806	15.449052	10.324083	30.75	-45.777825	-31.251201	-14.978521

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DAY	X	Y	Z	DAY	X	Y	Z
1.00	-43.536601	-33.994456	-15.813110	17.00	26.097560	51.399189	20.856556
1.25	-41.129166	-36.609584	-16.588018	17.25	22.908109	52.628484	21.067385
1.50	-38.565214	-39.086988	-17.300470	17.50	19.645869	53.692847	21.212296
1.75	-35.855076	-41.417738	-17.947987	17.75	16.320753	54.587572	21.290310
2.00	-33.009655	-43.593616	-18.528391	18.00	12.943038	55.308435	21.300654
2.25	-30.040358	-45.607150	-19.039818	18.25	9.523337	55.851721	21.242764
2.50	-26.959023	-47.451651	-19.480722	18.50	6.072572	56.214260	21.116299
2.75	-23.777846	-49.121236	-19.849882	18.75	2.601939	56.393453	20.921149
3.00	-20.509304	-50.610841	-20.146396	19.00	-0.877124	56.387302	20.657438
3.25	-17.166082	-51.916236	-20.369685	19.25	-4.352984	56.194433	20.325538
3.50	-13.760998	-53.034022	-20.519483	19.50	-7.813847	55.814123	19.926068
3.75	-10.306929	-53.961631	-20.595836	19.75	-11.247811	55.246317	19.459899
4.00	-6.816744	-54.697310	-20.599083	20.00	-14.642910	54.491648	18.928160
4.25	-3.303238	-55.240109	-20.529854	20.25	-17.987165	53.551449	18.332236
4.50	0.220935	-55.589852	-20.389053	20.50	-21.268636	52.427763	17.673769
4.75	3.743309	-55.747113	-20.177841	20.75	-24.475479	51.123347	16.954655
5.00	7.251670	-55.713187	-19.897627	21.00	-27.595992	49.641678	16.177045
5.25	10.734092	-55.490050	-19.550044	21.25	-30.618682	47.986947	15.343330
5.50	14.178985	-55.080326	-19.136938	21.50	-33.532307	46.164053	14.456147
5.75	17.575128	-54.487245	-18.660351	21.75	-36.325942	44.178591	13.518360
6.00	20.911700	-53.714609	-18.122498	22.00	-38.989024	42.036838	12.533057
6.25	24.178304	-52.766743	-17.525760	22.25	-41.511409	39.745731	11.503536
6.50	27.364993	-51.648464	-16.872657	22.50	-43.883420	37.312846	10.433293
6.75	30.462275	-50.365034	-16.165841	22.75	-46.095898	34.746367	9.326009
7.00	33.461137	-48.922126	-15.408077	23.00	-48.140243	32.055059	8.185535
7.25	36.353044	-47.325786	-14.602229	23.25	-50.008464	29.248229	7.015874
7.50	39.129948	-45.582396	-13.751248	23.50	-51.693212	26.335693	5.821168
7.75	41.784288	-43.698644	-12.858157	23.75	-53.187823	23.327732	4.605678
8.00	44.308991	-41.681488	-11.926045	24.00	-54.486345	20.235051	3.373767
8.25	46.697468	-39.538133	-10.958049	24.25	-55.583575	17.068735	2.129879
8.50	48.943609	-37.275996	-9.957351	24.50	-56.475080	13.840198	0.878524
8.75	51.041781	-34.902689	-8.927166	24.75	-57.157222	10.561138	-0.375745
9.00	52.986816	-32.425991	-7.870735	25.00	-57.627176	7.243486	-1.628351
9.25	54.774011	-29.853832	-6.791318	25.25	-57.882945	3.899353	-2.874712
9.50	56.399113	-27.194269	-5.692187	25.50	-57.923371	0.540980	-4.110263
9.75	57.858318	-24.455473	-4.576623	25.75	-57.748144	-2.819317	-5.330471
10.00	59.148263	-21.645713	-3.447907	26.00	-57.357802	-6.169200	-6.530861
10.25	60.266016	-18.773341	-2.309320	26.25	-56.753732	-9.496361	-7.707032
10.50	61.209071	-15.846781	-1.164134	26.50	-55.938165	-12.788579	-8.854678
10.75	61.975347	-12.874518	-0.015612	26.75	-54.914169	-16.033772	-9.969604
11.00	62.563179	-9.865087	1.132995	27.00	-53.685633	-19.220050	-11.047750
11.25	62.971313	-6.827062	2.278455	27.25	-52.257252	-22.335769	-12.085202
11.50	63.198910	-3.769049	3.417554	27.50	-50.634506	-25.369582	-13.078217
11.75	63.245536	-0.699680	4.547103	27.75	-48.823636	-28.310490	-14.023231
12.00	63.111168	2.372405	5.663935	28.00	-46.831613	-31.147887	-14.916884
12.25	62.796192	5.438554	6.764916	28.25	-44.666106	-33.871616	-15.756027
12.50	62.301402	8.490124	7.846941	28.50	-42.335446	-36.472004	-16.537739
12.75	61.628004	11.518480	8.906944	28.75	-39.848587	-38.939910	-17.259341
13.00	60.777620	14.515011	9.941894	29.00	-37.215059	-41.266764	-17.918404
13.25	59.752291	17.471139	10.948808	29.25	-34.444923	-43.444603	-18.512762
13.50	58.554478	20.378329	11.924749	29.50	-31.548721	-45.466103	-19.040516
13.75	57.187071	23.228105	12.866832	29.75	-28.537422	-47.324609	-19.500046
14.00	55.653392	26.012059	13.772232	30.00	-25.422371	-49.014157	-19.890010
14.25	53.957200	28.721869	14.638188	30.25	-22.215227	-50.529500	-20.209354
14.50	52.102695	31.349316	15.462009	30.50	-18.927909	-51.866118	-20.457307
14.75	50.094526	33.886301	16.241080	30.75	-15.572536	-53.020234	-20.633385
15.00	47.937791	36.324862	16.972874	31.00	-12.161367	-53.988816	-20.737388
15.25	45.638042	38.657201	17.654954	31.25	-8.706746	-54.769581	-20.769394
15.50	43.201289	40.875702	18.284987	31.50	-5.221038	-55.360993	-20.729757
15.75	40.633997	42.972956	18.860746	31.75	-1.716578	-55.762252	-20.619099
16.00	37.943090	44.941789	19.380129				
16.25	35.135946	46.775289	19.841161				
16.50	32.220391	48.466832	20.242005				
16.75	29.204695	50.010115	20.580978				

JANUARY 1976

DAY	X	Y	Z	DAY	X	Y	Z
1.00	1.794386	-55.973284	-20.438297	17.00	-22.861789	51.188491	17.147565
1.25	5.299747	-55.994725	-20.188480	17.25	-26.040911	49.728789	16.386874
1.50	8.787586	-55.827898	-19.871013	17.50	-29.126538	48.090553	15.567643
1.75	12.246219	-55.474793	-19.487489	17.75	-32.106673	46.278492	14.692447
2.00	15.664241	-54.938037	-19.039711	18.00	-34.969596	44.298108	13.764133
2.25	19.030566	-54.220866	-18.529681	18.25	-37.703935	42.155690	12.785805
2.50	22.334459	-53.327094	-17.959587	18.50	-40.298736	39.858292	11.760819
2.75	25.565572	-52.261077	-17.331787	18.75	-42.743535	37.413709	10.692766
3.00	28.713969	-51.027681	-16.648791	19.00	-45.028418	34.830449	9.585457
3.25	31.770150	-49.632246	-15.913255	19.25	-47.144089	32.117690	8.442904
3.50	34.725070	-48.080548	-15.127956	19.50	-49.081924	29.285243	7.269297
3.75	37.570155	-46.378766	-14.295785	19.75	-50.834030	26.343495	6.068990
4.00	40.297316	-44.533445	-13.419732	20.00	-52.393290	23.303358	4.846470
4.25	42.898954	-42.551462	-12.502869	20.25	-53.753405	20.176213	3.606335
4.50	45.367971	-40.439991	-11.548341	20.50	-54.908930	16.973844	2.353270
4.75	47.697766	-38.206473	-10.559352	20.75	-55.855304	13.708374	1.092022
5.00	49.882245	-35.858582	-9.539155	21.00	-56.588870	10.392203	-0.172628
5.25	51.915811	-33.404198	-8.491042	21.25	-57.106892	7.037932	-1.435891
5.50	53.793365	-30.851379	-7.418329	21.50	-57.407558	3.658302	-2.692992
5.75	55.510298	-28.208334	-6.324356	21.75	-57.489990	0.266127	-3.939198
6.00	57.062489	-25.483403	-5.212470	22.00	-57.354230	-3.125780	-5.169841
6.25	58.446294	-22.685030	-4.086022	22.25	-57.001235	-6.504663	-6.380339
6.50	59.658543	-19.821744	-2.948361	22.50	-56.432856	-9.857889	-7.566219
6.75	60.696524	-16.902142	-1.802824	22.75	-55.651821	-13.173009	-8.723137
7.00	61.557983	-13.934875	-0.652734	23.00	-54.661704	-16.437813	-9.846898
7.25	62.241113	-10.928627	0.498605	23.25	-53.466900	-19.640380	-10.933470
7.50	62.744544	-7.892102	1.647916	23.50	-52.072585	-22.769138	-11.979004
7.75	63.067338	-4.834017	2.791949	23.75	-50.484686	-25.812897	-12.979844
8.00	63.208982	-1.763085	3.927486	24.00	-48.709836	-28.760905	-13.932543
8.25	63.169381	1.311993	5.051346	24.25	-46.755337	-31.602876	-14.833874
8.50	62.948855	4.382540	6.160383	24.50	-44.629111	-34.329033	-15.680835
8.75	62.548131	7.439907	7.251498	24.75	-42.339664	-36.930136	-16.470666
9.00	61.968342	10.475487	8.321630	25.00	-39.896031	-39.397510	-17.200848
9.25	61.211027	13.480720	9.367770	25.25	-37.307734	-41.723074	-17.869114
9.50	60.278122	16.447102	10.386957	25.50	-34.584737	-43.899358	-18.473448
9.75	59.171971	19.366196	11.376283	25.75	-31.737394	-45.919522	-19.012096
10.00	57.895314	22.229636	12.332895	26.00	-28.776404	-47.777375	-19.483560
10.25	56.451299	25.029142	13.254003	26.25	-25.712762	-49.467384	-19.886606
10.50	54.843477	27.756524	14.136877	26.50	-22.557715	-50.984681	-20.220259
10.75	53.075811	30.403698	14.978856	26.75	-19.322710	-52.325077	-20.483803
11.00	51.152674	32.962697	15.777352	27.00	-16.019350	-53.485058	-20.676782
11.25	49.078857	35.425681	16.529854	27.25	-12.659348	-54.461788	-20.798993
11.50	46.859569	37.784957	17.233932	27.50	-9.254481	-55.253110	-20.850484
11.75	44.500449	40.032992	17.887247	27.75	-5.816544	-55.857540	-20.831549
12.00	42.007561	42.162430	18.487556	28.00	-2.357312	-56.274257	-20.742723
12.25	39.387404	44.166116	19.032719	28.25	1.111510	-56.503100	-20.584775
12.50	36.646912	46.037113	19.520708	28.50	4.578323	-56.544550	-20.358701
12.75	33.793455	47.768730	19.949613	28.75	8.031675	-56.399720	-20.065713
13.00	30.834845	49.354543	20.317657	29.00	11.460300	-56.070337	-19.707237
13.25	27.779328	50.788429	20.623200	29.25	14.853150	-55.558723	-19.284898
13.50	24.635584	52.064587	20.864752	29.50	18.199438	-54.867777	-18.800511
13.75	21.412720	53.177578	21.040987	29.75	21.488659	-54.000951	-18.256075
14.00	18.120265	54.122352	21.150747	30.00	24.710630	-52.962228	-17.653754
14.25	14.768151	54.894284	21.193061	30.25	27.855513	-51.756093	-16.995876
14.50	11.366705	55.489210	21.167153	30.50	30.913841	-50.387512	-16.284912
14.75	7.926624	55.903463	21.072454	30.75	33.876540	-48.861899	-15.523472
15.00	4.458954	56.133910	20.908615	31.00	36.734952	-47.185092	-14.714287
15.25	0.975063	56.177987	20.675517	31.25	39.480851	-45.363321	-13.860201
15.50	-2.513396	56.033739	20.373283	31.50	42.106460	-43.403182	-12.964160
15.75	-5.994520	55.699849	20.002286	31.75	44.604462	-41.311602	-12.029196
16.00	-9.456199	55.175675	19.563162				
16.25	-12.886162	54.461278	19.056812				
16.50	-16.272032	53.557454	18.484412				
16.75	-19.601381	52.465750	17.847417				

FEBRUARY 1976

DAY	X	Y	Z	DAY	X	Y	Z
1.00	46.968011	-39.095815	-11.058419	15.00	-40.790772	38.755373	11.339235
1.25	49.190743	-36.763330	-10.055006	15.25	-43.158899	36.197222	10.252393
1.50	51.266776	-34.321901	-9.022187	15.50	-45.362080	33.500209	9.126476
1.75	53.190721	-31.779503	-7.963236	15.75	-47.390585	30.673920	7.965615
2.00	54.957676	-29.144299	-6.881465	16.00	-49.235379	27.728674	6.774155
2.25	56.563234	-26.424617	-5.780207	16.25	-50.888195	24.675465	5.556635
2.50	58.003474	-23.628926	-4.662811	16.50	-52.341600	21.525911	4.317762
2.75	59.274965	-20.765806	-3.532263	16.75	-53.589059	18.292183	3.062380
3.00	60.374754	-17.843931	-2.393031	17.00	-54.624989	14.986933	1.795444
3.25	61.300368	-14.872044	-1.247350	17.25	-55.444800	11.623217	0.521986
3.50	62.049802	-11.858936	-0.098920	17.50	-56.044931	8.214408	-0.752918
3.75	62.621516	-8.813430	1.048948	17.75	-56.422875	4.774111	-2.024180
4.00	63.014426	-5.744359	2.192974	18.00	-56.577192	1.316073	-3.286732
4.25	63.227894	-2.660553	3.329912	18.25	-56.507512	-2.145902	-4.535559
4.50	63.261728	0.429178	4.456551	18.50	-56.214528	-5.598047	-5.765734
4.75	63.116163	3.516058	5.569727	18.75	-55.699978	-9.026714	-6.972442
5.00	62.791864	6.591359	6.666320	19.00	-54.966619	-12.418457	-8.151011
5.25	62.289912	9.646411	7.743263	19.25	-54.018191	-15.760112	-9.296939
5.50	61.611801	12.672614	8.797544	19.50	-52.859379	-19.038867	-10.405914
5.75	60.759430	15.661450	9.826208	19.75	-51.495757	-22.242329	-11.473840
6.00	59.735099	18.604494	10.826361	20.00	-49.933741	-25.358586	-12.496846
6.25	58.541502	21.493418	11.795176	20.25	-48.180528	-28.376258	-13.471313
6.50	57.181726	24.320008	12.729889	20.50	-46.244033	-31.284544	-14.393875
6.75	55.659245	27.076166	13.627812	20.75	-44.132829	-34.073262	-15.261439
7.00	53.977918	29.753925	14.486326	21.00	-41.856082	-36.732880	-16.071184
7.25	52.141991	32.345457	15.302892	21.25	-39.423484	-39.254543	-16.820572
7.50	50.156089	34.843079	16.075049	21.50	-36.845193	-41.630095	-17.507347
7.75	48.025225	37.239271	16.800422	21.75	-34.131766	-43.852087	-18.129539
8.00	45.754792	39.526679	17.476724	22.00	-31.294104	-45.913792	-18.685458
8.25	43.350569	41.698136	18.101760	22.25	-28.343387	-47.809207	-19.173699
8.50	40.818722	43.746667	18.673433	22.50	-25.291020	-49.533053	-19.593129
8.75	38.165802	45.665510	19.189750	22.75	-22.148501	-51.080771	-19.942892
9.00	35.398752	47.448128	19.648825	23.00	-18.927767	-52.448516	-20.222394
9.25	32.524904	49.088231	20.048889	23.25	-15.640349	-53.633146	-20.431302
9.50	29.551982	50.579791	20.388294	23.50	-12.298122	-54.632212	-20.569533
9.75	26.488103	51.917068	20.665523	23.75	-8.912870	-55.443942	-20.637249
10.00	23.341775	53.094626	20.879197	24.00	-5.496317	-56.067228	-20.634848
10.25	20.121895	54.107367	21.028084	24.25	-2.060098	-56.501606	-20.562951
10.50	16.837746	54.950554	21.111111	24.50	1.384280	-56.747238	-20.422400
10.75	13.498991	55.619837	21.127369	24.75	4.825471	-56.804898	-20.214244
11.00	10.115663	56.111291	21.076128	25.00	8.252317	-56.675945	-19.939732
11.25	6.698157	56.421442	20.956846	25.25	11.653879	-56.362309	-19.600303
11.50	3.257213	56.547307	20.769182	25.50	15.019463	-55.866465	-19.197576
11.75	-0.196104	56.486424	20.513005	25.75	18.338642	-55.191417	-18.733340
12.00	-3.650424	56.236896	20.188408	26.00	21.601283	-54.340672	-18.209550
12.25	-7.094102	55.797419	19.795719	26.25	24.797563	-53.318218	-17.628309
12.50	-10.515248	55.167325	19.335512	26.50	27.917996	-52.128508	-16.991865
12.75	-13.901770	54.346619	18.808615	26.75	30.953442	-50.776428	-16.302601
13.00	-17.241410	53.336009	18.216124	27.00	33.895133	-49.267283	-15.563021
13.25	-20.521800	52.136944	17.559410	27.25	36.734683	-47.606769	-14.775747
13.50	-23.730514	50.751640	16.840122	27.50	39.464103	-45.800951	-13.943506
13.75	-26.855129	49.183109	16.060202	27.75	42.075814	-43.856242	-13.069122
14.00	-29.883290	47.435181	15.221875	28.00	44.562661	-41.779376	-12.155504
14.25	-32.802782	45.512517	14.327664	28.25	46.917921	-39.577387	-11.205642
14.50	-35.601604	43.420622	13.380377	28.50	49.135312	-37.257586	-10.222593
14.75	-38.268047	41.165844	12.383110	28.75	51.209000	-34.827535	-9.209476
				29.00	53.133608	-32.295027	-8.169458
				29.25	54.904220	-29.668059	-7.105753
				29.50	56.516385	-26.954813	-6.021604
				29.75	57.966118	-24.163631	-4.920283

MARCH 1976

DAY	X	Y	Z	DAY	X	Y	Z
1.00	59.249904	-21.302990	-3.805079	17.00	-55.365551	-6.611585	-5.967817
1.25	60.364699	-18.381486	-2.679288	17.25	-54.721044	-10.079210	-7.165953
1.50	61.307925	-15.407805	-1.546209	17.50	-53.853764	-13.505080	-8.334448
1.75	62.077474	-12.390709	-0.409136	17.75	-52.767732	-16.875199	-9.468566
2.00	62.671702	-9.339012	0.728651	18.00	-51.468045	-20.175935	-10.563768
2.25	63.089423	-6.261557	1.863894	18.25	-49.960831	-23.394100	-11.615748
2.50	63.329913	-3.167205	2.993358	18.50	-48.253182	-26.517037	-12.620449
2.75	63.392896	-0.064808	4.113843	18.75	-46.353090	-29.532691	-13.574093
3.00	63.278542	3.036804	5.222189	19.00	-44.269372	-32.429678	-14.473194
3.25	62.987464	6.128841	6.315279	19.25	-42.011586	-35.197335	-15.314574
3.50	62.520705	9.202569	7.390045	19.50	-39.589952	-37.825767	-16.095375
3.75	61.879738	12.249326	8.443475	19.75	-37.015264	-40.305881	-16.813062
4.00	61.066453	15.260536	9.472619	20.00	-34.298806	-42.629413	-17.465430
4.25	60.083154	18.227725	10.474587	20.25	-31.452270	-44.788941	-18.050603
4.50	58.932551	21.142529	11.446562	20.50	-28.487670	-46.777898	-18.567030
4.75	57.617753	23.996715	12.385797	20.75	-25.417267	-48.590564	-19.013482
5.00	56.142260	26.782185	13.289623	21.00	-22.253495	-50.222069	-19.389044
5.25	54.509958	29.490995	14.155449	21.25	-19.008888	-51.668371	-19.693104
5.50	52.725112	32.115360	14.980772	21.50	-15.696018	-52.926244	-19.925343
5.75	50.792361	34.647670	15.763173	21.75	-12.327434	-53.993252	-20.085726
6.00	48.716712	37.080499	16.500326	22.00	-8.915609	-54.867726	-20.174485
6.25	46.503535	39.406616	17.190001	22.25	-5.472889	-55.548737	-20.192108
6.50	44.158559	41.618998	17.830063	22.50	-2.011452	-56.036060	-20.139324
6.75	41.687867	43.710837	18.418482	22.75	1.456732	-56.330152	-20.017092
7.00	39.097892	45.675560	18.953335	23.00	4.919937	-56.432111	-19.826583
7.25	36.395414	47.506833	19.432806	23.25	8.366710	-56.343648	-19.569171
7.50	33.587559	49.198579	19.855197	23.50	11.785894	-56.067056	-19.246416
7.75	30.681791	50.744989	20.218928	23.75	15.166657	-55.605178	-18.860054
8.00	27.685914	52.140542	20.522545	24.00	18.498505	-54.961374	-18.411982
8.25	24.608067	53.380014	20.764723	24.25	21.771304	-54.139493	-17.904249
8.50	21.456716	54.458503	20.944274	24.50	24.975289	-53.143843	-17.339043
8.75	18.240659	55.371442	21.060153	24.75	28.101083	-51.979164	-16.718679
9.00	14.969013	56.114619	21.111462	25.00	31.139698	-50.650601	-16.045593
9.25	11.651211	56.684206	21.097462	25.25	34.082552	-49.163677	-15.322327
9.50	8.296996	57.076771	21.017578	25.50	36.921473	-47.524270	-14.551523
9.75	4.916412	57.289314	20.871408	25.75	39.648706	-45.738588	-13.735911
10.00	1.519787	57.319285	20.658729	26.00	42.256915	-43.813148	-12.878307
10.25	-1.882270	57.164616	20.379512	26.25	44.739194	-41.754751	-11.981596
10.50	-5.278895	56.823749	20.033924	26.50	47.089066	-39.570463	-11.048731
10.75	-8.658982	56.295668	19.622345	26.75	49.300489	-37.267597	-10.082723
11.00	-12.011211	55.579927	19.145371	27.00	51.367855	-34.853687	-9.086632
11.25	-15.324071	54.676686	18.603829	27.25	53.286000	-32.336473	-8.063564
11.50	-18.585896	53.586739	17.998781	27.50	55.050198	-29.723884	-7.016659
11.75	-21.784896	52.311550	17.331537	27.75	56.656170	-27.024012	-5.949090
12.00	-24.909206	50.853281	16.603663	28.00	58.100078	-24.245101	-4.864052
12.25	-27.946926	49.214821	15.816986	28.25	59.378535	-21.395527	-3.764755
12.50	-30.886177	47.399815	14.973602	28.50	60.488597	-18.483778	-2.654422
12.75	-33.715160	45.412686	14.075879	28.75	61.427770	-15.518438	-1.536279
13.00	-36.422216	43.258656	13.126462	29.00	62.194008	-12.508169	-0.413550
13.25	-38.995900	40.943761	12.128273	29.25	62.785710	-9.461693	0.710551
13.50	-41.425049	38.474855	11.084506	29.50	63.201723	-6.387777	1.832823
13.75	-43.698861	35.859622	9.998630	29.75	63.441340	-3.295212	2.950086
14.00	-45.806977	33.106558	8.874373	30.00	63.504293	-0.192798	4.059187
14.25	-47.739564	30.224966	7.715715	30.25	63.390760	2.910674	5.157006
14.50	-49.487396	27.224928	6.526878	30.50	63.101353	6.006437	6.240461
14.75	-51.041942	24.117271	5.312301	30.75	62.637120	9.085768	7.306516
15.00	-52.395442	20.913525	4.076623	31.00	61.999541	12.140002	8.352182
15.25	-53.540989	17.625867	2.824659	31.25	61.190520	15.160551	9.374528
15.50	-54.472600	14.267062	1.561372	31.50	60.212384	18.138917	10.370683
15.75	-55.185282	10.850381	0.291841	31.75	59.067874	21.066712	11.337842
16.00	-55.675087	7.389531	-0.978772				
16.25	-55.939162	3.898557	-2.245253				
16.50	-55.975784	0.391748	-3.502378				
16.75	-55.784383	-3.116459	-4.744945				

APRIL

1976

DAY	X	Y	Z	DAY	X	Y	Z
1.00	57.760142	23.935668	12.273273	16.00	-38.397559	-38.087584	-16.027163
1.25	56.292743	26.737659	13.174319	16.25	-35.707287	-40.530297	-16.716844
1.50	54.669631	29.464713	14.038406	16.50	-32.875616	-42.810811	-17.339647
1.75	52.895147	32.109024	14.863044	16.75	-29.914932	-44.921276	-17.893605
2.00	50.974017	34.662973	15.645836	17.00	-26.838021	-46.854783	-18.377111
2.25	48.911341	37.119136	16.384480	17.25	-23.657979	-48.605369	-18.788915
2.50	46.712586	39.470303	17.076774	17.50	-20.388117	-50.168021	-19.128116
2.75	44.383578	41.709490	17.720620	17.75	-17.041872	-51.538665	-19.394158
3.00	41.930496	43.829950	18.314030	18.00	-13.632722	-52.714153	-19.586814
3.25	39.359858	45.825191	18.855128	18.25	-10.174111	-53.692237	-19.706175
3.50	36.678520	47.688986	19.342155	18.50	-6.679373	-54.471542	-19.752634
3.75	33.893661	49.415389	19.773474	18.75	-3.161671	-55.051529	-19.726869
4.00	31.012780	50.998748	20.147573	19.00	0.366060	-55.432454	-19.629827
4.25	28.043683	52.433716	20.463070	19.25	3.891170	-55.615335	-19.462704
4.50	24.994476	53.715268	20.718717	19.50	7.401329	-55.601899	-19.226930
4.75	21.873556	54.838715	20.913405	19.75	10.884570	-55.394545	-18.924146
5.00	18.689601	55.799719	21.046168	20.00	14.329317	-54.996298	-18.556189
5.25	15.451561	56.594305	21.116188	20.25	17.724416	-54.410762	-18.125077
5.50	12.168647	57.218880	21.122800	20.50	21.059146	-53.642082	-17.632989
5.75	8.850322	57.670250	21.065498	20.75	24.323245	-52.694898	-17.082249
6.00	5.506287	57.945635	20.943938	21.00	27.506914	-51.574309	-16.475313
6.25	2.146470	58.042687	20.757944	21.25	30.600828	-50.285832	-15.814756
6.50	-1.218989	57.959512	20.507516	21.50	33.596143	-48.835368	-15.103255
6.75	-4.579749	57.694685	20.192836	21.75	36.484497	-47.229167	-14.343580
7.00	-7.925294	57.247275	19.814270	22.00	39.258010	-45.473797	-13.538582
7.25	-11.244938	56.616863	19.372377	22.25	41.909284	-43.576117	-12.691183
7.50	-14.527861	55.803565	18.867917	22.50	44.431401	-41.543244	-11.804364
7.75	-17.763119	54.808053	18.301855	22.75	46.817920	-39.382534	-10.881160
8.00	-20.939680	53.631581	17.675367	23.00	49.062874	-37.101555	-9.924650
8.25	-24.046447	52.276005	16.989849	23.25	51.160762	-34.708063	-8.937948
8.50	-27.072295	50.743805	16.246919	23.50	53.106550	-32.209988	-7.924198
8.75	-30.006103	49.038109	15.448424	23.75	54.895663	-29.615409	-6.886570
9.00	-32.836801	47.162713	14.596448	24.00	56.523980	-26.932541	-5.828248
9.25	-35.553406	45.122101	13.693309	24.25	57.987834	-24.169714	-4.752427
9.50	-38.145079	42.921461	12.741568	24.50	59.284004	-21.335361	-3.662311
9.75	-40.601171	40.566699	11.744027	24.75	60.409713	-18.437999	-2.561104
10.00	-42.911285	38.064453	10.703733	25.00	61.362625	-15.486220	-1.452006
10.25	-45.065336	35.422097	9.623972	25.25	62.140840	-12.488671	-0.338208
10.50	-47.053615	32.647743	8.508266	25.50	62.742897	-9.454043	0.777111
10.75	-48.866862	29.750239	7.360370	25.75	63.167762	-6.391059	1.890793
11.00	-50.496330	26.739153	6.184260	26.00	63.414836	-3.308457	2.999699
11.25	-51.933865	23.624764	4.984125	26.25	63.483947	-0.214978	4.100719
11.50	-53.171978	20.418026	3.764350	26.50	63.375349	2.880646	5.190776
11.75	-54.203917	17.130540	2.529498	26.75	63.089722	5.969708	6.266830
12.00	-55.023746	13.774506	1.284296	27.00	62.628168	9.043541	7.325879
12.25	-55.626405	10.362673	0.033601	27.25	61.992212	12.093529	8.364972
12.50	-56.007787	6.908275	-1.217616	27.50	61.183796	15.111123	9.381207
12.75	-56.164788	3.424958	-2.464304	27.75	60.205280	18.087858	10.371741
13.00	-56.095364	-0.073293	-3.701367	28.00	59.059437	21.015365	11.333790
13.25	-55.798574	-3.572250	-4.923691	28.25	57.749452	23.885386	12.264640
13.50	-55.274610	-7.057533	-6.126184	28.50	56.278916	26.689795	13.161648
13.75	-54.524821	-10.514704	-7.303810	28.75	54.651824	29.420607	14.022248
14.00	-53.551718	-13.929377	-8.451630	29.00	52.872570	32.070001	14.843959
14.25	-52.358975	-17.287318	-9.564834	29.25	50.945942	34.630330	15.624389
14.50	-50.951404	-20.574550	-10.638780	29.50	48.877112	37.094143	16.361238
14.75	-49.334930	-23.777456	-11.669025	29.75	46.671635	39.454198	17.052308
15.00	-47.516543	-26.882879	-12.651362	30.00	44.335440	41.703481	17.695505
15.25	-45.504244	-29.878211	-13.581845	30.25	41.874818	43.835220	18.288846
15.50	-43.306976	-32.751481	-14.456816	30.50	39.296417	45.842908	18.830463
15.75	-40.934550	-35.491431	-15.272929	30.75	36.607232	47.720311	19.318610

MAY

1976

DAY	X	Y	Z	DAY	X	Y	Z
1.00	33.814592	49.461493	19.751667	17.00	8.825539	-54.822016	-18.857508
1.25	30.926151	51.060825	20.128146	17.25	12.347721	-54.508452	-18.515348
1.50	27.949874	52.513008	20.446696	17.50	15.824609	-54.001852	-18.107771
1.75	24.894027	53.813084	20.706104	17.75	19.244536	-53.306242	-17.636969
2.00	21.767159	54.956455	20.905308	18.00	22.596325	-52.426243	-17.105310
2.25	18.578091	55.938899	21.043392	18.25	25.869317	-51.367025	-16.515322
2.50	15.335902	56.756582	21.119597	18.50	29.053385	-50.134255	-15.869677
2.75	12.049909	57.406078	21.133326	18.75	32.138951	-48.734049	-15.171166
3.00	8.729653	57.884381	21.084141	19.00	35.116990	-47.172930	-14.422689
3.25	5.384882	58.188921	20.971776	19.25	37.979034	-45.457779	-13.627238
3.50	2.025530	58.317579	20.796135	19.50	40.717174	-43.595797	-12.787879
3.75	-1.338297	58.268701	20.557298	19.75	43.324055	-41.594468	-11.907744
4.00	-4.696348	58.041114	20.255526	20.00	45.792871	-39.461523	-10.990014
4.25	-8.038241	57.634138	19.891263	20.25	48.117360	-37.204907	-10.037912
4.50	-11.353491	57.047603	19.465138	20.50	50.291791	-34.832748	-9.054689
4.75	-14.631529	56.281860	18.977973	20.75	52.310960	-32.353334	-8.043620
5.00	-17.861730	55.337797	18.430782	21.00	54.170176	-29.775083	-7.007989
5.25	-21.033437	54.216852	17.824776	21.25	55.865251	-27.106523	-5.951092
5.50	-24.135991	52.921024	17.161367	21.50	57.392490	-24.356273	-4.876218
5.75	-27.158758	51.452890	16.442165	21.75	58.748682	-21.533025	-3.784655
6.00	-30.091162	49.815609	15.668988	22.00	59.931088	-18.645521	-2.685675
6.25	-32.922718	48.012944	14.843858	22.25	60.937431	-15.702547	-1.576536
6.50	-35.643068	46.049262	13.969003	22.50	61.765889	-12.712912	-0.462476
6.75	-38.242020	43.929549	13.046860	22.75	62.415087	-9.685437	0.653294
7.00	-40.709585	41.659412	12.080073	23.00	62.884087	-6.628945	1.767590
7.25	-43.036022	39.245091	11.071493	23.25	63.172384	-3.552247	2.877261
7.50	-45.211885	36.693454	10.024174	23.50	63.279901	-0.464133	3.979192
7.75	-47.228068	34.012004	8.941372	23.75	63.206978	2.626642	5.070304
8.00	-49.075857	31.208873	7.826541	24.00	62.954374	5.711365	6.147565
8.25	-50.746978	28.292814	6.683325	24.25	62.523262	8.781374	7.207985
8.50	-52.233660	25.273190	5.515552	24.50	61.915224	11.828076	8.248625
8.75	-53.528681	22.159963	4.327224	24.75	61.132246	14.842950	9.266599
9.00	-54.625432	18.963667	3.122508	25.00	60.176723	17.817562	10.259079
9.25	-55.517972	15.695384	1.905718	25.25	59.051450	20.743577	11.223295
9.50	-56.201085	12.366713	0.681307	25.50	57.759623	23.612771	12.156544
9.75	-56.670335	8.989724	-0.546160	25.75	56.304838	26.417042	13.056194
10.00	-56.922126	5.576922	-1.772017	26.00	54.691088	29.148426	13.919684
10.25	-56.953747	2.141183	-2.991525	26.25	52.922758	31.799110	14.744535
10.50	-56.763423	-1.304297	-4.199895	26.50	51.004629	34.361449	15.528349
10.75	-56.350357	-4.746074	-5.392313	26.75	48.941868	36.827978	16.268820
11.00	-55.714767	-8.170529	-6.563968	27.00	46.740029	39.191430	16.963737
11.25	-54.857910	-11.563946	-7.710087	27.25	44.405050	41.444754	17.610989
11.50	-53.782109	-14.912594	-8.825958	27.50	41.943241	43.581134	18.208571
11.75	-52.490757	-18.202818	-9.906968	27.75	39.361285	45.594002	18.754593
12.00	-50.988321	-21.421129	-10.948634	28.00	36.666225	47.477062	19.247280
12.25	-49.280329	-24.554297	-11.946632	28.25	33.865461	49.224305	19.684987
12.50	-47.373352	-27.589441	-12.896833	28.50	30.966737	50.830034	20.066196
12.75	-45.274964	-30.514124	-13.795329	28.75	27.978128	52.288877	20.389529
13.00	-42.993702	-33.316437	-14.638464	29.00	24.908033	53.595812	20.653751
13.25	-40.539010	-35.985085	-15.422856	29.25	21.765156	54.746183	20.857776
13.50	-37.921170	-38.509462	-16.145426	29.50	18.558493	55.735723	21.000677
13.75	-35.151235	-40.879721	-16.803411	29.75	15.297314	56.560570	21.081684
14.00	-32.240939	-43.086838	-17.394386	30.00	11.991143	57.217290	21.100196
14.25	-29.202614	-45.122657	-17.916273	30.25	8.649742	57.702891	21.055786
14.50	-26.049098	-46.979937	-18.367349	30.50	5.283086	58.014843	20.948201
14.75	-22.793637	-48.652380	-18.746253	30.75	1.901340	58.151099	20.777372
15.00	-19.449788	-50.134648	-19.051987	31.00	-1.485166	58.110102	20.543415
15.25	-16.031329	-51.422378	-19.283906	31.25	-4.865960	57.890809	20.246635
15.50	-12.552158	-52.512173	-19.441723	31.50	-8.230460	57.492702	19.887532
15.75	-9.026207	-53.401599	-19.525488	31.75	-11.567998	56.915799	19.466800
16.00	-5.467358	-54.089160	-19.535582				
16.25	-1.889358	-54.574272	-19.472700				
16.50	1.694251	-54.857230	-19.337836				
16.75	5.270196	-54.939168	-19.132262				

JUNE

1976

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-14.867853	56.160669	18.985331	16.00	41.687867	-42.148906	-12.343834
1.25	-18.119283	55.228443	18.444217	16.25	44.253430	-40.046522	-11.435116
1.50	-21.311553	54.120819	17.844752	16.50	46.675010	-37.815769	-10.490006
1.75	-24.433972	52.840074	17.188429	16.75	48.946321	-35.465050	-9.511878
2.00	-27.475929	51.389068	16.476945	17.00	51.061660	-33.002955	-8.504134
2.25	-30.426921	49.771248	15.712196	17.25	53.015903	-30.438228	-7.470194
2.50	-33.276598	47.990653	14.896277	17.50	54.804488	-27.779736	-6.413485
2.75	-36.014795	46.051913	14.031483	17.75	56.423408	-25.036443	-5.337434
3.00	-38.631569	43.960248	13.120301	18.00	57.869191	-22.217379	-4.245456
3.25	-41.117242	41.721470	12.165410	18.25	59.138891	-19.331619	-3.140949
3.50	-43.462437	39.341970	11.169678	18.50	60.230073	-16.388266	-2.027287
3.75	-45.658120	36.828717	10.136153	18.75	61.140797	-13.396426	-0.907816
4.00	-47.695639	34.189248	9.068059	19.00	61.869606	-10.365194	0.214155
4.25	-49.566767	31.431655	7.968789	19.25	62.415514	-7.303641	1.335354
4.50	-51.263741	28.564569	6.841901	19.50	62.777990	-4.220797	2.452554
4.75	-52.779307	25.597146	5.691102	19.75	62.956951	-1.125643	3.562571
5.00	-54.106758	22.539047	4.520243	20.00	62.952749	1.972905	4.662274
5.25	-55.239979	19.400409	3.333307	20.25	62.766160	5.066001	5.748583
5.50	-56.173489	16.191826	2.134400	20.50	62.398380	8.144879	6.818472
5.75	-56.902477	12.924311	0.927728	20.75	61.851011	11.200868	7.868976
6.00	-57.422847	9.609269	-0.282405	21.00	61.126062	14.225390	8.897187
6.25	-57.731253	6.258450	-1.491621	21.25	60.225938	17.209980	9.900261
6.50	-57.825136	2.883918	-2.695486	21.50	59.153434	20.146285	10.875420
6.75	-57.702760	-0.502008	-3.889522	21.75	57.911737	23.026078	11.819955
7.00	-57.363241	-3.886791	-5.069233	22.00	56.504419	25.841266	12.731226
7.25	-56.806574	-7.257745	-6.230124	22.25	54.935433	28.583901	13.606671
7.50	-56.033658	-10.602080	-7.367722	22.50	53.209114	31.246186	14.443804
7.75	-55.046313	-13.906975	-8.477601	22.75	51.330175	33.820493	15.240222
8.00	-53.847295	-17.159635	-9.555406	23.00	49.303706	36.299368	15.993606
8.25	-52.440301	-20.347367	-10.596875	23.25	47.135173	38.675550	16.701731
8.50	-50.829969	-23.457645	-11.597867	23.50	44.830416	40.941980	17.362465
8.75	-49.021871	-26.478186	-12.554388	23.75	42.395644	43.091821	17.973777
9.00	-47.022501	-29.397023	-13.462612	24.00	39.837436	45.118469	18.533741
9.25	-44.839248	-32.202575	-14.318909	24.25	37.162736	47.015574	19.040544
9.50	-42.480368	-34.883724	-15.119868	24.50	34.378849	48.777056	19.492491
9.75	-39.954943	-37.429884	-15.862318	24.75	31.493435	50.397125	19.888010
10.00	-37.272836	-39.831065	-16.543350	25.00	28.514501	51.870301	20.225662
10.25	-34.444637	-42.077942	-17.160336	25.25	25.450398	53.191436	20.504144
10.50	-31.481597	-44.161910	-17.710947	25.50	22.309802	54.355733	20.722299
10.75	-28.395563	-46.075133	-18.193162	25.75	19.101711	55.358773	20.879121
11.00	-25.198905	-47.810599	-18.605288	26.00	15.835427	56.196532	20.973764
11.25	-21.904435	-49.362146	-18.945957	26.25	12.520539	56.865407	21.005549
11.50	-18.525329	-50.724502	-19.214145	26.50	9.166908	57.362240	20.973968
11.75	-15.075036	-51.893299	-19.409159	26.75	5.784644	57.684339	20.878697
12.00	-11.567202	-52.865089	-19.530651	27.00	2.384081	57.829501	20.719595
12.25	-8.015580	-53.637348	-19.578602	27.25	-1.024241	57.796034	20.496715
12.50	-4.433946	-54.208471	-19.553322	27.50	-4.429613	57.582776	20.210309
12.75	-0.836021	-54.577756	-19.455438	27.75	-7.821181	57.189117	19.860830
13.00	2.764606	-54.745391	-19.285880	28.00	-11.187983	56.615016	19.448943
13.25	6.354554	-54.712421	-19.045873	28.25	-14.518981	55.861017	18.975519
13.50	9.920713	-54.480718	-18.736914	28.50	-17.803099	54.928263	18.441648
13.75	13.450307	-54.052939	-18.360759	28.75	-21.029263	53.818510	17.848632
14.00	16.930949	-53.432488	-17.919401	29.00	-24.186440	52.534133	17.197993
14.25	20.350689	-52.623469	-17.415054	29.25	-27.263683	51.078136	16.491467
14.50	23.698057	-51.630633	-16.850132	29.50	-30.250172	49.454156	15.731007
14.75	26.962094	-50.459334	-16.227227	29.75	-33.135260	47.666462	14.918778
15.00	30.132387	-49.115475	-15.549092	30.00	-35.908519	45.719954	14.057156
15.25	33.199084	-47.605457	-14.818620	30.25	-38.559782	43.620157	13.148721
15.50	36.152914	-45.936130	-14.038826	30.50	-41.079196	41.373214	12.196251
15.75	38.985202	-44.114746	-13.212829	30.75	-43.457259	38.985871	11.202717

JULY

1976

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-45.684873	36.465466	10.171273	17.00	62.657326	-2.122094	2.933597
1.25	-47.753382	33.819905	9.105248	17.25	62.734258	0.995594	4.042104
1.50	-49.654618	31.057647	8.008135	17.50	62.627495	4.109322	5.138292
1.75	-51.380946	28.187672	6.883581	17.75	62.338161	7.210127	6.219066
2.00	-52.925297	25.219457	5.735370	18.00	61.867808	10.289163	7.281399
2.25	-54.281214	22.162943	4.567416	18.25	61.218401	13.337703	8.322333
2.50	-55.442882	19.028505	3.383745	18.50	60.392312	16.347158	9.338979
2.75	-56.405167	15.826910	2.188480	18.75	59.392308	19.309077	10.328523
3.00	-57.163644	12.569281	0.985827	19.00	58.221542	22.215159	11.288227
3.25	-57.714628	9.267053	-0.219943	19.25	56.883545	25.057258	12.215430
3.50	-58.055198	5.931935	-1.424509	19.50	55.382223	27.827396	13.107552
3.75	-58.183224	2.575855	-2.623521	19.75	53.721847	30.517762	13.962095
4.00	-58.097379	-0.789080	-3.812616	20.00	51.907052	33.120728	14.776646
4.25	-57.797164	-4.150641	-4.987436	20.25	49.942832	35.628852	15.548879
4.50	-57.282913	-7.496520	-6.143649	20.50	47.834534	38.034890	16.276559
4.75	-56.555809	-10.814392	-7.276966	20.75	45.587862	40.331804	16.957544
5.00	-55.617881	-14.091962	-8.383162	21.00	43.208867	42.512773	17.589792
5.25	-54.472014	-17.317024	-9.458094	21.25	40.703950	44.571207	18.171357
5.50	-53.121937	-20.477517	-10.497725	21.50	38.079858	46.500756	18.700403
5.75	-51.572220	-23.561580	-11.498137	21.75	35.343684	48.295326	19.175202
6.00	-49.828260	-26.557608	-12.455553	22.00	32.502862	49.949094	19.594142
6.25	-47.896263	-29.454310	-13.366358	22.25	29.565166	51.456526	19.955733
6.50	-45.783225	-32.240766	-14.227114	22.50	26.538703	52.812393	20.258609
6.75	-43.496900	-34.906479	-15.034581	22.75	23.431913	54.011788	20.501542
7.00	-41.045774	-37.441427	-15.785731	23.00	20.253557	55.050153	20.683440
7.25	-38.439021	-39.836122	-16.477764	23.25	17.012715	55.923296	20.803361
7.50	-35.686468	-42.081650	-17.108126	23.50	13.718771	56.627413	20.860518
7.75	-32.798547	-44.169724	-17.674519	23.75	10.381405	57.159115	20.854284
8.00	-29.786240	-46.092723	-18.174914	24.00	7.010574	57.515453	20.784205
8.25	-26.661030	-47.843731	-18.607564	24.25	3.616502	57.693939	20.650005
8.50	-23.434839	-49.416575	-18.971009	24.50	0.209655	57.692576	20.451593
8.75	-20.119967	-50.805851	-19.264085	24.75	-3.199281	57.509880	20.189072
9.00	-16.729030	-52.006950	-19.485925	25.00	-6.599426	57.144911	19.862747
9.25	-13.274887	-53.016076	-19.635969	25.25	-9.979733	56.597291	19.473132
9.50	-9.770581	-53.830259	-19.713956	25.50	-13.329022	55.867232	19.020954
9.75	-6.229261	-54.447365	-19.719930	25.75	-16.636019	54.955558	18.507161
10.00	-2.664121	-54.866093	-19.654229	26.00	-19.889392	53.863724	17.932927
10.25	0.911671	-55.085973	-19.517485	26.25	-23.077794	52.593834	17.299654
10.50	4.485041	-55.107354	-19.310614	26.50	-26.189913	51.148659	16.608978
10.75	8.043072	-54.931387	-19.034805	26.75	-29.214513	49.531644	15.862766
11.00	11.573064	-54.560005	-18.691508	27.00	-32.140495	47.746921	15.063119
11.25	15.062593	-53.995896	-18.282428	27.25	-34.956944	45.799312	14.212370
11.50	18.499567	-53.242469	-17.809499	27.50	-37.653184	43.694327	13.313081
11.75	21.872271	-52.303821	-17.274880	27.75	-40.218838	41.438160	12.368035
12.00	25.169417	-51.184701	-16.680930	28.00	-42.643884	39.037681	11.380233
12.25	28.380181	-49.890463	-16.030198	28.25	-44.918710	36.500418	10.352885
12.50	31.494237	-48.427028	-15.325399	28.50	-47.034172	33.834537	9.289397
12.75	34.501790	-46.800837	-14.569401	28.75	-48.981646	31.048819	8.193361
13.00	37.393594	-45.018804	-13.765207	29.00	-50.753088	28.152629	7.068540
13.25	40.160979	-43.088273	-12.915934	29.25	-52.341076	25.155876	5.918854
13.50	42.795859	-41.016972	-12.024801	29.50	-53.738863	22.068981	4.748362
13.75	45.290747	-38.812963	-11.095108	29.75	-54.940418	18.902824	3.561245
14.00	47.638754	-36.484606	-10.130225	30.00	-55.940468	15.668702	2.361783
14.25	49.833598	-34.040512	-9.133570	30.25	-56.734529	12.378272	1.154341
14.50	51.869598	-31.489503	-8.108604	30.50	-57.318937	9.043502	-0.056657
14.75	53.741669	-28.840575	-7.058809	30.75	-57.690876	5.676607	-1.266747
15.00	55.445316	-26.102862	-5.987681	31.00	-57.848392	2.289996	-2.471450
15.25	56.976625	-23.285601	-4.898718	31.25	-57.790407	-1.103792	-3.666289
15.50	58.332248	-20.398103	-3.795409	31.50	-57.516732	-4.492149	-4.846816
15.75	59.509394	-17.449724	-2.681225	31.75	-57.028061	-7.862459	-6.008630
16.00	60.505813	-14.449838	-1.559610				
16.25	61.319781	-11.407813	-0.433973				
16.50	61.950086	-8.332993	0.692314				
16.75	62.396012	-5.234675	1.815928				

AUGUST 1976

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-56.325976	-11.202157	-7.147402	17.00	46.441181	39.791800	16.517192
1.25	-55.412933	-14.498792	-8.258892	17.25	44.126978	42.017737	17.170170
1.50	-54.292252	-17.740086	-9.338970	17.50	41.686212	44.122513	17.773631
1.75	-52.968096	-20.913990	-10.383636	17.75	39.125462	46.099822	18.325740
2.00	-51.445450	-24.008740	-11.389038	18.00	36.451623	47.943619	18.824772
2.25	-49.730094	-27.012910	-12.351492	18.25	33.671904	49.648126	19.269113
2.50	-47.828570	-29.915465	-13.267489	18.50	30.793818	51.207843	19.657263
2.75	-45.748153	-32.705806	-14.133721	18.75	27.825189	52.617564	19.987843
3.00	-43.496807	-35.373816	-14.947087	19.00	24.774140	53.872387	20.259594
3.25	-41.083146	-37.909901	-15.704709	19.25	21.649091	54.967732	20.471392
3.50	-38.516396	-40.305032	-16.403941	19.50	18.458760	55.899358	20.622240
3.75	-35.806340	-42.550777	-17.042381	19.75	15.212152	56.663376	20.711288
4.00	-32.963279	-44.639334	-17.617878	20.00	11.918551	57.256274	20.737827
4.25	-29.997978	-46.563562	-18.128537	20.25	8.587518	57.674938	20.701305
4.50	-26.921614	-48.316999	-18.572731	20.50	5.228879	57.916667	20.601330
4.75	-23.745729	-49.893893	-18.949099	20.75	1.852710	57.979205	20.437675
5.00	-20.482169	-51.289211	-19.256553	21.00	-1.530672	57.860760	20.210292
5.25	-17.143036	-52.498659	-19.494277	21.25	-4.910731	57.560032	19.919315
5.50	-13.740632	-53.518689	-19.661729	21.50	-8.276729	57.076239	19.565072
5.75	-10.287402	-54.346505	-19.758643	21.75	-11.617749	56.409143	19.148085
6.00	-6.795882	-54.980071	-19.785021	22.00	-14.922724	55.559075	18.669090
6.25	-3.278644	-55.418103	-19.741132	22.25	-18.180466	54.526964	18.129033
6.50	0.251761	-55.660069	-19.627510	22.50	-21.379703	53.314362	17.529085
6.75	3.782849	-55.706178	-19.444944	22.75	-24.509113	51.923467	16.870642
7.00	7.302260	-55.557372	-19.194472	23.00	-27.557376	50.357146	16.155335
7.25	10.797978	-55.215306	-18.877375	23.25	-30.513212	48.618952	15.385032
7.50	14.257521	-54.682333	-18.495165	23.50	-33.365439	46.713146	14.561842
7.75	17.669700	-53.961479	-18.049575	23.75	-36.103023	44.644703	13.688114
8.00	21.022951	-53.056421	-17.542549	24.00	-38.715143	42.419327	12.766441
8.25	24.306230	-51.971458	-16.976230	24.25	-41.191250	40.043450	11.799653
8.50	27.508881	-50.711481	-16.352944	24.50	-43.521127	37.524229	10.790815
8.75	30.620671	-49.281940	-15.675193	24.75	-45.694964	34.869541	9.743221
9.00	33.631819	-47.688814	-14.945634	25.00	-47.703416	32.087964	8.660383
9.25	36.533026	-45.938568	-14.167071	25.25	-49.537678	29.188756	7.546022
9.50	39.315498	-44.038123	-13.342436	25.50	-51.189545	26.181830	6.404051
9.75	41.970966	-41.994814	-12.474778	25.75	-52.651479	23.077709	5.238561
10.00	44.491708	-39.816353	-11.567244	26.00	-53.916671	19.887489	4.053802
10.25	46.870556	-37.510790	-10.623072	26.25	-54.979098	16.622788	2.854162
10.50	49.100911	-35.086476	-9.645568	26.50	-55.833572	13.295684	1.644145
10.75	51.176747	-32.552023	-8.638100	26.75	-56.475790	9.918658	0.428344
11.00	53.092618	-29.916267	-7.604080	27.00	-56.902372	6.504526	-0.788581
11.25	54.843656	-27.188232	-6.546952	27.25	-57.110892	3.066360	-2.001933
11.50	56.425572	-24.377097	-5.470182	27.50	-57.099902	-0.382579	-3.207006
11.75	57.834647	-21.492159	-4.377243	27.75	-56.868948	-3.828925	-4.399107
12.00	59.067732	-18.542800	-3.271608	28.00	-56.418576	-7.259281	-5.573594
12.25	60.122233	-15.538464	-2.156735	28.25	-55.750328	-10.660302	-6.725894
12.50	60.996107	-12.488618	-1.036062	28.50	-54.866735	-14.018772	-7.851536
12.75	61.687844	-9.402734	0.087004	28.75	-53.771294	-17.321679	-8.946171
13.00	62.196462	-6.290260	1.209093	29.00	-52.468445	-20.556290	-10.005603
13.25	62.521485	-3.160599	2.326883	29.25	-50.963534	-23.710221	-11.025805
13.50	62.662937	-0.023085	3.437101	29.50	-49.262773	-26.771499	-12.002944
13.75	62.621320	3.113030	4.536535	29.75	-47.373199	-29.728627	-12.933397
14.00	62.397607	6.238601	5.622033	30.00	-45.302615	-32.570635	-13.813766
14.25	61.993222	9.344599	6.690515	30.25	-43.059544	-35.287132	-14.640898
14.50	61.410026	12.422129	7.738967	30.50	-40.653164	-37.868346	-15.411890
14.75	60.650308	15.462440	8.764457	30.75	-38.093255	-40.305166	-16.124104
15.00	59.716767	18.456940	9.764126	31.00	-35.390131	-42.589168	-16.775170
15.25	58.612499	21.397202	10.735200	31.25	-32.554583	-44.712646	-17.362996
15.50	57.340989	24.274979	11.674987	31.50	-29.597815	-46.668626	-17.885767
15.75	55.906099	27.082204	12.580885	31.75	-26.531381	-48.450887	-18.341952
16.00	54.312054	29.811009	13.450377				
16.25	52.563439	32.453724	14.281037				
16.50	50.665184	35.002887	15.070535				
16.75	48.622562	37.451253	15.816633				

SEPTEMBER 1976

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-23.367128	-50.053967	-18.730298	16.00	16.432833	56.931471	20.621960
1.25	-20.117130	-51.473171	-19.049835	16.25	13.188264	57.595511	20.678457
1.50	-16.793637	-52.704567	-19.299865	16.50	9.904785	58.088154	20.673415
1.75	-13.409016	-53.744989	-19.479968	16.75	6.591788	58.406691	20.606410
2.00	-9.975695	-54.592029	-19.589988	17.00	3.258881	58.548820	20.477166
2.25	-6.506117	-55.244026	-19.630032	17.25	-0.084115	58.512654	20.285567
2.50	-3.012686	-55.700055	-19.600460	17.50	-3.427183	58.296748	20.031657
2.75	0.492278	-55.959910	-19.501881	17.75	-6.760118	57.900116	19.715652
3.00	3.996583	-56.024091	-19.335138	18.00	-10.072545	57.322251	19.337942
3.25	7.488207	-55.893783	-19.101307	18.25	-13.353934	56.563153	18.899099
3.50	10.955339	-55.570833	-18.801682	18.50	-16.593622	55.623347	18.399886
3.75	14.386413	-55.057731	-18.437767	18.75	-19.780835	54.503909	17.841263
4.00	17.770148	-54.357584	-18.011266	19.00	-22.904715	53.206493	17.224391
4.25	21.095575	-53.474093	-17.524070	19.25	-25.954350	51.733350	16.550643
4.50	24.352069	-52.411524	-16.978250	19.50	-28.918808	50.087356	15.821610
4.75	27.529381	-51.174682	-16.376045	19.75	-31.787177	48.272032	15.039102
5.00	30.617658	-49.768885	-15.719848	20.00	-34.548605	46.291567	14.205159
5.25	33.607469	-48.199931	-15.012196	20.25	-37.192352	44.150835	13.322051
5.50	36.489829	-46.474074	-14.255760	20.50	-39.707838	41.855413	12.392282
5.75	39.256215	-44.597988	-13.453334	20.75	-42.084698	39.411590	11.418591
6.00	41.898582	-42.578741	-12.607820	21.00	-44.312849	36.826379	10.403953
6.25	44.409385	-40.423761	-11.722218	21.25	-46.382547	34.107517	9.351571
6.50	46.781853	-38.148088	-10.799615	21.50	-48.284458	31.263461	8.264880
6.75	49.008656	-35.737941	-9.843176	21.75	-50.009726	28.303382	7.147531
7.00	51.084611	-33.223485	-8.856125	22.00	-51.550047	25.237143	6.003388
7.25	53.003991	-30.606006	-7.841744	22.25	-52.897738	22.075276	4.836511
7.50	54.761874	-27.894272	-6.803353	22.50	-54.045810	18.828949	3.651143
7.75	56.353884	-25.097230	-5.744304	22.75	-54.988040	15.509925	2.451689
8.00	57.776186	-22.223972	-4.667972	23.00	-55.719035	12.130506	1.242700
8.25	59.025485	-19.283706	-3.577738	23.25	-56.234294	8.703482	0.028842
8.50	60.099027	-16.285730	-2.476989	23.50	-56.530269	5.242055	-1.185123
8.75	60.994590	-13.239403	-1.369100	23.75	-56.604408	1.759772	-2.394372
9.00	61.710482	-10.154115	-0.257429	24.00	-56.455202	-1.729564	-3.594048
9.25	62.245531	-7.039268	0.854691	24.25	-56.082212	-5.211973	-4.779290
9.50	62.599079	-3.904246	1.963962	24.50	-55.486091	-8.673396	-5.945271
9.75	62.770969	-0.758395	3.067127	24.75	-54.668594	-12.099789	-7.087225
10.00	62.761536	2.389003	4.160979	25.00	-53.632576	-15.477210	-8.200486
10.25	62.571598	5.528744	5.242365	25.25	-52.381978	-18.791925	-9.280516
10.50	62.202439	8.651729	6.308192	25.50	-50.921803	-22.030495	-10.322934
10.75	61.655801	11.748979	7.355438	25.75	-49.258077	-25.179869	-11.323553
11.00	60.933867	14.811648	8.381150	26.00	-47.397807	-28.227465	-12.278400
11.25	60.039251	17.831048	9.382453	26.25	-45.348921	-31.161252	-13.183742
11.50	58.974982	20.798652	10.356552	26.50	-43.120207	-33.969821	-14.036106
11.75	57.744495	23.706119	11.300739	26.75	-40.721243	-36.642450	-14.832302
12.00	56.351611	26.545295	12.212393	27.00	-38.162318	-39.169153	-15.569433
12.25	54.800532	29.308235	13.088986	27.25	-35.454357	-41.540733	-16.244907
12.50	53.095822	31.987205	13.928083	27.50	-32.608833	-43.748813	-16.856447
12.75	51.242402	34.574696	14.727349	27.75	-29.637691	-45.785868	-17.402096
13.00	49.245529	37.063433	15.484547	28.00	-26.553259	-47.645238	-17.880217
13.25	47.110797	39.446382	16.197542	28.25	-23.368169	-49.321142	-18.289494
13.50	44.844116	41.716758	16.864305	28.50	-20.095279	-50.808680	-18.628925
13.75	42.451710	43.868037	17.482912	28.75	-16.747595	-52.103829	-18.897825
14.00	39.940104	45.893957	18.051551	29.00	-13.338198	-53.203428	-19.095805
14.25	37.316118	47.788533	18.568517	29.25	-9.880183	-54.105166	-19.222775
14.50	34.586858	49.546059	19.032223	29.50	-6.386587	-54.807561	-19.278925
14.75	31.759709	51.161121	19.441195	29.75	-2.870336	-55.309929	-19.264720
15.00	28.842328	52.628605	19.794078	30.00	0.655808	-55.612365	-19.180880
15.25	25.842640	53.943704	20.089639	30.25	4.179295	-55.715704	-19.028373
15.50	22.786828	55.101929	20.326771	30.50	7.687832	-55.621495	-18.808397
15.75	19.629330	56.099123	20.504494	30.75	11.169419	-55.331960	-18.522371

OCTOBER 1976

DAY	X	Y	Z	DAY	X	Y	Z
1.00	14.612388	-54.849968	-18.171917	17.00	-30.903667	49.796474	15.499000
1.25	18.005425	-54.178995	-17.758846	17.25	-33.672549	47.923643	14.705566
1.50	21.337605	-53.323090	-17.285150	17.50	-36.330428	45.891850	13.863327
1.75	24.598408	-52.286841	-16.752981	17.75	-38.867231	43.705965	12.974502
2.00	27.777742	-51.075340	-16.164647	18.00	-41.273044	41.371485	12.041519
2.25	30.865961	-49.694151	-15.522590	18.25	-43.538142	38.894546	11.067013
2.50	33.853877	-48.149279	-14.829382	18.50	-45.653050	36.281934	10.053832
2.75	36.732773	-46.447133	-14.087709	18.75	-47.608583	33.541097	9.005035
3.00	39.494413	-44.594498	-13.300360	19.00	-49.395913	30.680141	7.923887
3.25	42.131052	-42.598509	-12.470220	19.25	-51.006616	27.707837	6.813863
3.50	44.635440	-40.466613	-11.600251	19.50	-52.432746	24.633610	5.678636
3.75	47.000829	-38.206548	-10.693494	19.75	-53.666890	21.467533	4.522071
4.00	49.220978	-35.826315	-9.753047	20.00	-54.702242	18.220298	3.348219
4.25	51.290156	-33.334145	-8.782064	20.25	-55.532667	14.903201	2.161297
4.50	53.203141	-30.738480	-7.783743	20.50	-56.152769	11.528103	0.965681
4.75	54.955224	-28.047944	-6.761318	20.75	-56.557960	8.107387	-0.234120
5.00	56.542210	-25.271319	-5.718046	21.00	-56.744524	4.653908	-1.433479
5.25	57.960415	-22.417522	-4.657206	21.25	-56.709678	1.180932	-2.627678
5.50	59.206664	-19.495576	-3.582085	21.50	-56.451623	-2.297931	-3.811934
5.75	60.278291	-16.514595	-2.495974	21.75	-55.969603	-5.768802	-4.981427
6.00	61.173135	-13.483754	-1.402158	22.00	-55.263933	-9.217624	-6.131335
6.25	61.889536	-10.412272	-0.303907	22.25	-54.336038	-12.630243	-7.256860
6.50	62.426331	-7.309386	0.795525	22.50	-53.188472	-15.992514	-8.353268
6.75	62.782846	-4.184334	1.892916	22.75	-51.824923	-19.290393	-9.415922
7.00	62.958896	-1.046329	2.985073	23.00	-50.250209	-22.510045	-10.440316
7.25	62.954769	2.095454	4.068848	23.25	-48.470263	-25.637943	-11.422111
7.50	62.771230	5.231908	5.141138	23.50	-46.492099	-28.660970	-12.357167
7.75	62.409500	8.354002	6.198893	23.75	-44.323768	-31.566517	-13.241576
8.00	61.871260	11.452806	7.239122	24.00	-41.974307	-34.342578	-14.071688
8.25	61.158631	14.519510	8.258901	24.25	-39.453662	-36.977831	-14.844138
8.50	60.274169	17.545435	9.255373	24.50	-36.772622	-39.461720	-15.555870
8.75	59.220857	20.522058	10.225759	24.75	-33.942722	-41.784516	-16.204155
9.00	58.002086	23.441020	11.167358	25.00	-30.976161	-43.937382	-16.786603
9.25	56.621653	26.294146	12.077556	25.25	-27.885698	-45.912410	-17.301177
9.50	55.083741	29.073458	12.953827	25.50	-24.684557	-47.702660	-17.746197
9.75	53.392913	31.771190	13.793739	25.75	-21.386321	-49.302182	-18.120342
10.00	51.554097	34.379799	14.594957	26.00	-18.004837	-50.706023	-18.422650
10.25	49.572574	36.891979	15.355246	26.25	-14.554116	-51.910229	-18.652511
10.50	47.453967	39.300672	16.072476	26.50	-11.048239	-52.911836	-18.809660
10.75	45.204225	41.599080	16.744625	26.75	-7.501273	-53.708851	-18.894164
11.00	42.829616	43.780674	17.369780	27.00	-3.927181	-54.300221	-18.906410
11.25	40.336712	45.839206	17.946142	27.25	-0.339755	-54.685807	-18.847089
11.50	37.732375	47.768719	18.472027	27.50	3.247459	-54.866336	-18.711717
11.75	35.023750	49.563554	18.945870	27.75	6.821218	-54.843367	-18.517922
12.00	32.218250	51.218360	19.366228	28.00	10.368638	-54.619238	-18.250817
12.25	29.323545	52.728103	19.731780	28.25	13.877237	-54.197022	-17.917589
12.50	26.347551	54.088077	20.041330	28.50	17.334978	-53.580472	-17.520177
12.75	23.298422	55.293910	20.293812	28.75	20.730294	-52.773979	-17.060710
13.00	20.184535	56.341572	20.488289	29.00	24.052125	-51.782515	-16.541493
13.25	17.014483	57.227386	20.623958	29.25	27.289929	-50.611591	-15.964986
13.50	13.797062	57.948040	20.700151	29.50	30.433701	-49.267205	-15.333791
13.75	10.541263	58.500590	20.716341	29.75	33.473985	-47.755799	-14.650631
14.00	7.256259	58.882477	20.672139	30.00	36.401880	-46.084217	-13.918339
14.25	3.951397	59.091534	20.567303	30.25	39.209043	-44.259663	-13.139840
14.50	0.636185	59.125997	20.401738	30.50	41.887694	-42.289662	-12.318141
14.75	-2.679717	58.984522	20.175503	30.75	44.430608	-40.182026	-11.456317
15.00	-5.986515	58.666192	19.888810	31.00	46.831119	-37.944819	-10.557500
15.25	-9.274287	58.170536	19.542031	31.25	49.083110	-35.586324	-9.624868
15.50	-12.533000	57.497541	19.135701	31.50	51.181009	-33.115016	-8.661637
15.75	-15.752529	56.647665	18.670526	31.75	53.119786	-30.539534	-7.671048
16.00	-18.922668	55.621860	18.147383				
16.25	-22.033156	54.421584	17.567327				
16.50	-25.073692	53.048818	16.931596				
16.75	-28.033962	51.506087	16.241615				

NOVEMBER 1976

DAY	X	Y	Z	DAY	X	Y	Z
1.00	54.894937	-27.868656	-6.656363	16.00	-53.999509	23.314360	5.174575
1.25	56.502489	-25.111274	-5.620854	16.25	-55.107098	20.165069	4.030325
1.50	57.938979	-22.276372	-4.567799	16.50	-56.017757	16.942839	2.871337
1.75	59.201456	-19.373007	-3.500471	16.75	-56.726018	13.658389	1.701590
2.00	60.287469	-16.410287	-2.422136	17.00	-57.227069	10.322929	0.525197
2.25	61.195061	-13.397353	-1.336044	17.25	-57.516803	6.948130	-0.653608
2.50	61.922757	-10.343361	-0.245424	17.50	-57.591874	3.546094	-1.830483
2.75	62.469564	-7.257465	0.846521	17.75	-57.449753	0.129305	-3.000994
3.00	62.834958	-4.148802	1.936619	18.00	-57.088775	-3.289417	-4.160641
3.25	63.018879	-1.026473	3.021735	18.25	-56.508193	-6.696972	-5.304872
3.50	63.021723	2.100469	4.098776	18.50	-55.708217	-10.080042	-6.429114
3.75	62.844336	5.223037	5.164694	18.75	-54.690054	-13.425169	-7.528794
4.00	62.488008	8.332327	6.216494	19.00	-53.455942	-16.718821	-8.599370
4.25	61.954461	11.419526	7.251236	19.25	-52.009170	-19.947485	-9.636361
4.50	61.245851	14.475935	8.266042	19.50	-50.354097	-23.097749	-10.635378
4.75	60.364750	17.492977	9.258098	19.75	-48.496149	-26.156398	-11.592154
5.00	59.314147	20.462218	10.224662	20.00	-46.441820	-29.110505	-12.502579
5.25	58.097436	23.375376	11.163063	20.25	-44.198647	-31.947530	-13.362728
5.50	56.718409	26.224337	12.070714	20.50	-41.775181	-34.655414	-14.168899
5.75	55.181247	29.001173	12.945109	20.75	-39.180942	-37.222673	-14.917635
6.00	53.490511	31.698152	13.783831	21.00	-36.426365	-39.638485	-15.605756
6.25	51.651135	34.307753	14.584553	21.25	-33.522733	-41.892775	-16.230386
6.50	49.668413	36.822683	15.345049	21.50	-30.482096	-43.976292	-16.788970
6.75	47.547988	39.235888	16.063192	21.75	-27.317192	-45.880670	-17.279295
7.00	45.295846	41.540566	16.736960	22.00	-24.041343	-47.598491	-17.699505
7.25	42.918300	43.730184	17.364440	22.25	-20.668362	-49.123327	-18.048111
7.50	40.421982	45.798487	17.943834	22.50	-17.212446	-50.449772	-18.323994
7.75	37.813828	47.739514	18.473458	22.75	-13.688071	-51.573466	-18.526413
8.00	35.101064	49.547608	18.951750	23.00	-10.109886	-52.491103	-18.654996
8.25	32.291198	51.217429	19.377271	23.25	-6.492607	-53.200426	-18.709737
8.50	29.392002	52.743967	19.748711	23.50	-2.850920	-53.700215	-18.690986
8.75	26.411501	54.122553	20.064888	23.75	0.800619	-53.990262	-18.599433
9.00	23.357958	55.348866	20.324755	24.00	4.447668	-54.071339	-18.436094
9.25	20.239856	56.418949	20.527400	24.25	8.076185	-53.945154	-18.202294
9.50	17.065890	57.329218	20.672050	24.50	11.672500	-53.614304	-17.899641
9.75	13.844947	58.076468	20.758074	24.75	15.223378	-53.082223	-17.530011
10.00	10.586092	58.657889	20.784986	25.00	18.716076	-52.353121	-17.095519
10.25	7.298552	59.071069	20.752444	25.25	22.138390	-51.431932	-16.598503
10.50	3.991701	59.314010	20.660257	25.50	25.478694	-50.324244	-16.041493
10.75	0.675044	59.385129	20.508385	25.75	28.725969	-49.036244	-15.427196
11.00	-2.641800	59.283275	20.296939	26.00	31.869826	-47.574655	-14.758470
11.25	-5.949115	59.007733	20.026187	26.25	34.900521	-45.946680	-14.038302
11.50	-9.237104	58.558232	19.696555	26.50	37.808966	-44.159942	-13.269791
11.75	-12.495908	57.934958	19.308628	26.75	40.586730	-42.222430	-12.456127
12.00	-15.715624	57.138560	18.863152	27.00	43.226040	-40.142451	-11.600575
12.25	-18.886323	56.170160	18.361039	27.25	45.719775	-37.928581	-10.706458
12.50	-21.998070	55.031359	17.803364	27.50	48.061458	-35.589621	-9.777144
12.75	-25.040945	53.724252	17.191372	27.75	50.245244	-33.134556	-8.816029
13.00	-28.005067	52.251432	16.526477	28.00	52.265909	-30.572517	-7.826527
13.25	-30.880613	50.616000	15.810266	28.25	54.118832	-27.912750	-6.812062
13.50	-33.657846	48.821574	15.044496	28.50	55.799982	-25.164582	-5.776053
13.75	-36.327137	46.872302	14.231105	28.75	57.305903	-22.337398	-4.721909
14.00	-38.878999	44.772861	13.372202	29.00	58.633692	-19.440609	-3.653020
14.25	-41.304113	42.528475	12.470076	29.25	59.780988	-16.483638	-2.572752
14.50	-43.593360	40.144915	11.527195	29.50	60.745954	-13.475894	-1.484438
14.75	-45.737857	37.628505	10.546203	29.75	61.527261	-10.426756	-0.391374
15.00	-47.728993	34.986131	9.529926	30.00	62.124074	-7.345559	0.703184
15.25	-49.558468	32.225241	8.481363	30.25	62.536036	-4.241575	1.796028
15.50	-51.218338	29.353844	7.403691	30.50	62.763258	-1.124001	2.883998
15.75	-52.701052	26.380508	6.300256	30.75	62.806302	1.998050	3.963988

DECEMBER 1976

DAY	X	Y	Z	DAY	X	Y	Z
1.00	62.666175	5.115565	5.032949	17.00	-50.409062	-24.875334	-11.125820
1.25	62.344312	8.219642	6.087891	17.25	-48.478159	-27.818649	-12.047386
1.50	61.842572	11.301497	7.125887	17.50	-46.358384	-30.655299	-12.922760
1.75	61.163224	14.352475	8.144078	17.75	-44.056904	-33.373631	-13.748283
2.00	60.308940	17.364065	9.139672	18.00	-41.581795	-35.962389	-14.520475
2.25	59.282790	20.327903	10.109949	18.25	-38.942013	-38.410789	-15.236061
2.50	58.088229	23.235788	11.052266	18.50	-36.147368	-40.708596	-15.892001
2.75	56.729095	26.079690	11.964055	18.75	-33.208471	-42.846200	-16.485506
3.00	55.209597	28.851759	12.842834	19.00	-30.136688	-44.814685	-17.014066
3.25	53.534314	31.544341	13.686202	19.25	-26.944076	-46.605897	-17.475466
3.50	51.708183	34.149984	14.491849	19.50	-23.643313	-48.212505	-17.867807
3.75	49.736495	36.661454	15.257557	19.75	-20.247622	-49.628059	-18.189520
4.00	47.624889	39.071744	15.981203	20.00	-16.770683	-50.847028	-18.439373
4.25	45.379339	41.374090	16.660766	20.25	-13.226548	-51.864848	-18.616488
4.50	43.006154	43.561979	17.294327	20.50	-9.629546	-52.677941	-18.720339
4.75	40.511961	45.629169	17.880076	20.75	-5.994184	-53.283737	-18.750757
5.00	37.903706	47.569697	18.416317	21.00	-2.335054	-53.680681	-18.707926
5.25	35.188633	49.377896	18.901468	21.25	1.333264	-53.868226	-18.592378
5.50	32.374284	51.048406	19.334069	21.50	4.996300	-53.846826	-18.404981
5.75	29.468479	52.576193	19.712787	21.75	8.639780	-53.617905	-18.146932
6.00	26.479309	53.956559	20.036417	22.00	12.249712	-53.183832	-17.819737
6.25	23.415121	55.185156	20.303886	22.25	15.812468	-52.547877	-17.425193
6.50	20.284505	56.258005	20.514263	22.50	19.314853	-51.714164	-16.965373
6.75	17.096275	57.171504	20.666754	22.75	22.744172	-50.687618	-16.442599
7.00	13.859458	57.922444	20.760715	23.00	26.088286	-49.473911	-15.859423
7.25	10.583274	58.508022	20.795648	23.25	29.335656	-48.079396	-15.218602
7.50	7.277115	58.925854	20.771209	23.50	32.475389	-46.511049	-14.523075
7.75	3.950533	59.173988	20.687210	23.75	35.497259	-44.776400	-13.775940
8.00	0.613212	59.250912	20.543622	24.00	38.391740	-42.883473	-12.980428
8.25	-2.725047	59.155568	20.340575	24.25	41.150016	-40.840723	-12.139887
8.50	-6.054352	58.887360	20.078366	24.50	43.763987	-38.656974	-11.257752
8.75	-9.364741	58.446165	19.757455	24.75	46.226275	-36.341357	-10.337532
9.00	-12.646203	57.832340	19.378472	25.00	48.530222	-33.903263	-9.382786
9.25	-15.888709	57.046731	18.942213	25.25	50.669872	-31.352284	-8.397111
9.50	-19.082229	56.090678	18.449646	25.50	52.639974	-28.698164	-7.384118
9.75	-22.216762	54.966020	17.901909	25.75	54.435950	-25.950761	-6.347427
10.00	-25.282362	53.675104	17.300310	26.00	56.053890	-23.120001	-5.290646
10.25	-28.269165	52.220783	16.646330	26.25	57.490524	-20.215841	-4.217362
10.50	-31.167411	50.606424	15.941618	26.50	58.743203	-17.248241	-3.131134
10.75	-33.967483	48.835905	15.187994	26.75	59.809879	-14.227131	-2.035479
11.00	-36.659923	46.913620	14.387446	27.00	60.689076	-11.162384	-0.933868
11.25	-39.235469	44.844478	13.542129	27.25	61.379877	-8.063796	0.170285
11.50	-41.685084	42.633897	12.654364	27.50	61.881890	-4.941068	1.273621
11.75	-43.999984	40.287809	11.726633	27.75	62.195239	-1.803784	2.372850
12.00	-46.171670	37.812649	10.761580	28.00	62.320533	1.338603	3.464749
12.25	-48.191961	35.215356	9.762003	28.25	62.258852	4.476780	4.546167
12.50	-50.053025	32.503360	8.730856	28.50	62.011727	7.601588	5.614027
12.75	-51.747412	29.684582	7.671237	28.75	61.581125	10.704032	6.665331
13.00	-53.268092	26.767414	6.586390	29.00	60.969428	13.775289	7.697162
13.25	-54.608483	23.760718	5.479696	29.25	60.179425	16.806717	8.706680
13.50	-55.762494	20.673804	4.354667	29.50	59.214293	19.789858	9.691132
13.75	-56.724555	17.516416	3.214937	29.75	58.077589	22.716450	10.647849
14.00	-57.489658	14.298716	2.064257	30.00	56.773236	25.578428	11.574247
14.25	-58.053390	11.031257	0.906484	30.25	55.305518	28.367936	12.467832
14.50	-58.411974	7.724964	-0.254432	30.50	53.679064	31.077327	13.326198
14.75	-58.562306	4.391100	-1.414455	30.75	51.898847	33.699176	14.147031
15.00	-58.501988	1.041239	-2.569477	31.00	49.970172	36.226283	14.928111
15.25	-58.229368	-2.312774	-3.715335	31.25	47.898672	38.651681	15.667314
15.50	-57.743573	-5.658859	-4.847824	31.50	45.690299	40.968646	16.362615
15.75	-57.044541	-8.984751	-5.962712	31.75	43.351322	43.170704	17.012087
16.00	-56.133055	-12.278043	-7.055766				
16.25	-55.010763	-15.526243	-8.122761				
16.50	-53.680209	-18.716831	-9.159509				
16.75	-52.144849	-21.837323	-10.161879				

JANUARY 1977

DAY	X	Y	Z	DAY	X	Y	Z
1.00	40.888316	45.251645	17.613911	17.00	-8.238592	-53.658051	-18.897863
1.25	38.308161	47.205524	18.166372	17.25	-4.634429	-54.121958	-18.896495
1.50	35.618031	49.026684	18.667868	17.50	-1.011217	-54.380817	-18.823733
1.75	32.825392	50.709759	19.116911	17.75	2.617209	-54.434168	-18.680048
2.00	29.937992	52.249692	19.512130	18.00	6.237058	-54.282461	-18.466217
2.25	26.963850	53.641744	19.852279	18.25	9.834659	-53.927037	-18.183323
2.50	23.911255	54.881514	20.136238	18.50	13.396537	-53.370122	-17.832739
2.75	20.788749	55.964949	20.363020	18.75	16.909488	-52.614796	-17.416123
3.00	17.605119	56.888360	20.531774	19.00	20.360646	-51.664968	-16.935398
3.25	14.369383	57.648442	20.641789	19.25	23.737550	-50.525340	-16.392744
3.50	11.090779	58.242284	20.692503	19.50	27.028205	-49.201363	-15.790574
3.75	7.778745	58.667387	20.683502	19.75	30.221134	-47.699192	-15.131522
4.00	4.442907	58.921685	20.614530	20.00	33.305430	-46.025637	-14.418418
4.25	1.093055	59.003553	20.485491	20.25	36.270796	-44.188105	-13.654271
4.50	-2.260873	58.911830	20.296453	20.50	39.107579	-42.194550	-12.842247
4.75	-5.608818	58.645826	20.047652	20.75	41.806800	-40.053410	-11.985650
5.00	-8.940618	58.205345	19.739499	21.00	44.360178	-37.773550	-11.087895
5.25	-12.246041	57.590691	19.372579	21.25	46.760139	-35.364208	-10.152495
5.50	-15.514807	56.802685	18.947655	21.50	48.999830	-32.834931	-9.183035
5.75	-18.736620	55.842670	18.465673	21.75	51.073120	-30.195524	-8.183157
6.00	-21.901198	54.712529	17.927760	22.00	52.974599	-27.455995	-7.156538
6.25	-24.998305	53.414684	17.335227	22.25	54.699569	-24.626504	-6.106876
6.50	-28.017785	51.952105	16.689572	22.50	56.244033	-21.717314	-5.037872
6.75	-30.949597	50.328315	15.992473	22.75	57.604681	-18.738750	-3.953215
7.00	-33.783847	48.547390	15.245793	23.00	58.778874	-15.701151	-2.856572
7.25	-36.510829	46.613957	14.451575	23.25	59.764619	-12.614839	-1.751571
7.50	-39.121061	44.533197	13.612041	23.50	60.560550	-9.490079	-0.641794
7.75	-41.605317	42.310829	12.729586	23.75	61.165906	-6.337055	0.469234
8.00	-43.954671	39.953113	11.806778	24.00	61.580502	-3.165834	1.578054
8.25	-46.160531	37.466834	10.846348	24.25	61.804709	0.013649	2.681276
8.50	-48.214676	34.859289	9.851184	24.50	61.839426	3.191619	3.775592
8.75	-50.109291	32.138275	8.824330	24.75	61.686058	6.358475	4.857774
9.00	-51.837007	29.312069	7.768973	25.00	61.346492	9.504805	5.924682
9.25	-53.390933	26.389409	6.688433	25.25	60.823073	12.621405	6.973269
9.50	-54.764691	23.379470	5.586161	25.50	60.118584	15.699281	8.000578
9.75	-55.952449	20.291841	4.465721	25.75	59.236225	18.729666	9.003750
10.00	-56.948953	17.136500	3.330785	26.00	58.179592	21.704025	9.980023
10.25	-57.749556	13.923780	2.185118	26.25	56.952663	24.614061	10.926733
10.50	-58.350249	10.664341	1.032571	26.50	55.559779	27.451719	11.841319
10.75	-58.747686	7.369135	-0.122940	26.75	54.005628	30.209196	12.721316
11.00	-58.939211	4.049373	-1.277439	27.00	52.295236	32.878940	13.564366
11.25	-58.922881	0.716487	-2.426909	27.25	50.433950	35.453657	14.368208
11.50	-58.697485	-2.617912	-3.567303	27.50	48.427430	37.926313	15.130690
11.75	-58.262567	-5.942075	-4.694562	27.75	46.281638	40.290142	15.849760
12.00	-57.618441	-9.244153	-5.804631	28.00	44.002830	42.538645	16.523473
12.25	-56.766205	-12.512249	-6.893471	28.25	41.597548	44.665600	17.149990
12.50	-55.707750	-15.734461	-7.957078	28.50	39.072612	46.665062	17.727580
12.75	-54.445772	-18.898930	-8.991503	28.75	36.435114	48.531376	18.254623
13.00	-52.983778	-21.993895	-9.992863	29.00	33.692414	50.259177	18.729610
13.25	-51.326081	-25.007737	-10.957364	29.25	30.852132	51.843404	19.151146
13.50	-49.477804	-27.929039	-11.881318	29.50	27.922140	53.279306	19.517952
13.75	-47.444871	-30.746637	-12.761159	29.75	24.910564	54.562452	19.828873
14.00	-45.233998	-33.449674	-13.593465	30.00	21.825769	55.688742	20.082874
14.25	-42.852674	-36.027660	-14.374973	30.25	18.676356	56.654419	20.279048
14.50	-40.309143	-38.470521	-15.102598	30.50	15.471158	57.456084	20.416621
14.75	-37.612381	-40.768660	-15.773452	30.75	12.219226	58.090710	20.494955
15.00	-34.772058	-42.913010	-16.384861	31.00	8.929819	58.555653	20.513550
15.25	-31.798509	-44.895085	-16.934381	31.25	5.612401	58.848673	20.472055
15.50	-28.702689	-46.707036	-17.419813	31.50	2.276617	58.967950	20.370267
15.75	-25.496124	-48.341695	-17.839221	31.75	-1.067713	58.912098	20.208142
16.00	-22.190862	-49.792627	-18.190941				
16.25	-18.799411	-51.054163	-18.473594				
16.50	-15.334678	-52.121446	-18.686100				
16.75	-11.809905	-52.990459	-18.827680				

FEBRUARY 1977

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-4.410614	58.680186	19.985795	15.00	15.951781	-53.581002	-17.668143
1.25	-7.741974	58.271755	19.703509	15.25	19.369309	-52.683708	-17.221650
1.50	-11.051566	57.686835	19.361738	15.50	22.719309	-51.597988	-16.713709
1.75	-14.329072	56.925963	18.961113	15.75	25.990183	-50.328647	-16.146447
2.00	-17.564107	55.990202	18.502448	16.00	29.170750	-48.881157	-15.522196
2.25	-20.746249	54.881154	17.986739	16.25	32.250283	-47.261621	-14.843488
2.50	-23.865071	53.600977	17.415177	16.50	35.218555	-45.476741	-14.113035
2.75	-26.910172	52.152396	16.789140	16.75	38.065876	-43.533774	-13.333716
3.00	-29.871220	50.538718	16.110204	17.00	40.783124	-41.440489	-12.508560
3.25	-32.737982	48.763838	15.380140	17.25	43.361778	-39.205125	-11.640730
3.50	-35.500374	46.832247	14.600918	17.50	45.793938	-36.836340	-10.733508
3.75	-38.148495	44.749035	13.774701	17.75	48.072348	-34.343171	-9.790275
4.00	-40.672679	42.519891	12.903849	18.00	50.190410	-31.734979	-8.814494
4.25	-43.063538	40.151101	11.990911	18.25	52.142195	-29.021406	-7.809698
4.50	-45.312009	37.649540	11.038625	18.50	53.922450	-26.212324	-6.779468
4.75	-47.409400	35.022661	10.049909	18.75	55.526601	-23.317791	-5.727419
5.00	-49.347441	32.278481	9.027855	19.00	56.950746	-20.348003	-4.657186
5.25	-51.118326	29.425561	7.975721	19.25	58.191655	-17.313253	-3.572406
5.50	-52.714766	26.472983	6.896921	19.50	59.246758	-14.223885	-2.476710
5.75	-54.130025	23.430321	5.795012	19.75	60.114134	-11.090260	-1.373701
6.00	-55.357970	20.307613	4.673684	20.00	60.792494	-7.922711	-0.266951
6.25	-56.393109	17.115319	3.536742	20.25	61.281166	-4.731516	0.840016
6.50	-57.230626	13.864290	2.388098	20.50	61.580073	-1.526857	1.943733
6.75	-57.866418	10.565719	1.231748	20.75	61.689715	1.681198	3.040797
7.00	-58.297125	7.231096	0.071758	21.00	61.611147	4.882735	4.127878
7.25	-58.520156	3.872163	-1.087753	21.25	61.345952	8.068006	5.201730
7.50	-58.533709	0.500862	-2.242633	21.50	60.896224	11.227457	6.259191
7.75	-58.336794	-2.870722	-3.388711	21.75	60.264538	14.351746	7.297192
8.00	-57.929242	-6.230407	-4.521826	22.00	59.453935	17.431758	8.312763
8.25	-57.311716	-9.565977	-5.637833	22.25	58.467891	20.458620	9.303031
8.50	-56.485711	-12.865231	-6.732634	22.50	57.310299	23.423712	10.265232
8.75	-55.453559	-16.116044	-7.802190	22.75	55.985449	26.318679	11.196704
9.00	-54.218420	-19.306419	-8.842539	23.00	54.498004	29.135438	12.094897
9.25	-52.784271	-22.424544	-9.849821	23.25	52.852983	31.866187	12.957369
9.50	-51.155896	-25.458846	-10.820290	23.50	51.055742	34.503407	13.781790
9.75	-49.338862	-28.398042	-11.750332	23.75	49.111957	37.039873	14.565943
10.00	-47.339503	-31.231192	-12.636482	24.00	47.027611	39.468653	15.307723
10.25	-45.164888	-33.947748	-13.475443	24.25	44.808974	41.783113	16.005141
10.50	-42.822795	-36.537601	-14.264094	24.50	42.462597	43.976924	16.656318
10.75	-40.321676	-38.991126	-14.999512	24.75	39.995292	46.044059	17.259494
11.00	-37.670619	-41.299228	-15.678977	25.00	37.414130	47.978801	17.813023
11.25	-34.879315	-43.453376	-16.299991	25.25	34.726423	49.775745	18.315374
11.50	-31.958007	-45.445649	-16.860285	25.50	31.939720	51.429801	18.765134
11.75	-28.917451	-47.268763	-17.357830	25.75	29.061797	52.936201	19.161009
12.00	-25.768869	-48.916105	-17.790845	26.00	26.100651	54.290499	19.501822
12.25	-22.523894	-50.381765	-18.157806	26.25	23.064492	55.488583	19.786519
12.50	-19.194526	-51.660558	-18.457451	26.50	19.961737	56.526678	20.014169
12.75	-15.793073	-52.748044	-18.688787	26.75	16.801000	57.401354	20.183966
13.00	-12.332100	-53.640551	-18.851093	27.00	13.591093	58.109537	20.295231
13.25	-8.824368	-54.335186	-18.943919	27.25	10.341011	58.648516	20.347419
13.50	-5.282783	-54.829846	-18.967094	27.50	7.059930	59.015956	20.340116
13.75	-1.720333	-55.123227	-18.920721	27.75	3.757197	59.209909	20.273048
14.00	1.849969	-55.214822	-18.805175	28.00	0.442322	59.228831	20.146085
14.25	5.415140	-55.104925	-18.621103	28.25	-2.875035	59.071592	19.959241
14.50	8.962292	-54.794617	-18.369416	28.50	-6.185073	58.737491	19.712684
14.75	12.478683	-54.285765	-18.051289	28.75	-9.477862	58.226279	19.406736

MARCH 1977

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-12.743365	57.538170	19.041885	17.00	48.066308	-35.145555	-9.990846
1.25	-15.971448	56.673860	18.618781	17.25	50.181644	-32.575250	-9.038614
1.50	-19.151904	55.634547	18.138251	17.50	52.134667	-29.897834	-8.056689
1.75	-22.274479	54.421948	17.601296	17.75	53.920136	-27.122748	-7.048473
2.00	-25.328892	53.038318	17.009102	18.00	55.533423	-24.259632	-6.017408
2.25	-28.304865	51.486466	16.363042	18.25	56.970518	-21.318295	-4.966969
2.50	-31.192161	49.769772	15.664679	18.50	58.228028	-18.308670	-3.900648
2.75	-33.980613	47.892204	14.915775	18.75	59.303175	-15.240784	-2.821945
3.00	-36.660164	45.858329	14.118285	19.00	60.193794	-12.124722	-1.734351
3.25	-39.220910	43.673325	13.274370	19.25	60.898320	-8.970591	-0.641343
3.50	-41.653149	41.342989	12.386388	19.50	61.415784	-5.788489	0.453631
3.75	-43.947419	38.873743	11.456901	19.75	61.745803	-2.588470	1.547159
4.00	-46.094561	36.272635	10.488668	20.00	61.888560	0.619480	2.635878
4.25	-48.085761	33.547331	9.484645	20.25	61.844796	3.825476	3.716481
4.50	-49.912611	30.706115	8.447979	20.50	61.615792	7.019760	4.785726
4.75	-51.567165	27.757869	7.382001	20.75	61.203350	10.192727	5.840441
5.00	-53.041990	24.712057	6.290219	21.00	60.609778	13.334943	6.877537
5.25	-54.330230	21.578699	5.176303	21.25	59.837867	16.437174	7.894010
5.50	-55.425654	18.368343	4.044079	21.50	58.890873	19.490401	8.886946
5.75	-56.322713	15.092025	2.897507	21.75	57.772500	22.485836	9.853530
6.00	-57.016592	11.761226	1.740671	22.00	56.486873	25.414944	10.791047
6.25	-57.503253	8.387826	0.577756	22.25	55.038524	28.269449	11.696888
6.50	-57.779480	4.984049	-0.586968	22.50	53.432367	31.041357	12.568554
6.75	-57.842919	1.562404	-1.749172	22.75	51.673682	33.722957	13.403656
7.00	-57.692104	-1.864380	-2.904488	23.00	49.768090	36.306835	14.199919
7.25	-57.326485	-5.283418	-4.048531	23.25	47.721542	38.785884	14.955186
7.50	-56.746449	-8.681742	-5.176928	23.50	45.540294	41.153308	15.667416
7.75	-55.953321	-12.046371	-6.285340	23.75	43.230891	43.402629	16.334690
8.00	-54.949379	-15.364387	-7.369486	24.00	40.800155	45.527695	16.955205
8.25	-53.737839	-18.623005	-8.425169	24.25	38.255161	47.522681	17.527283
8.50	-52.322846	-21.809647	-9.448301	24.50	35.603231	49.382093	18.049367
8.75	-50.709453	-24.912016	-10.434924	24.75	32.851914	51.100774	18.520021
9.00	-48.903595	-27.918160	-11.381234	25.00	30.008976	52.673909	18.937934
9.25	-46.912052	-30.816540	-12.283602	25.25	27.082385	54.097023	19.301918
9.50	-44.742412	-33.596092	-13.138589	25.50	24.080305	55.365988	19.610911
9.75	-42.403021	-36.246283	-13.942971	25.75	21.011078	56.477027	19.863975
10.00	-39.902937	-38.757161	-14.693746	26.00	17.883222	57.426716	20.060298
10.25	-37.251872	-41.119408	-15.388154	26.25	14.705415	58.211993	20.199196
10.50	-34.460137	-43.324373	-16.023685	26.50	11.486491	58.830155	20.280116
10.75	-31.538581	-45.364114	-16.598092	26.75	8.235428	59.278873	20.302631
11.00	-28.498529	-47.231424	-17.109395	27.00	4.961340	59.556193	20.266450
11.25	-25.351719	-48.919858	-17.555888	27.25	1.673471	59.660546	20.171415
11.50	-22.110239	-50.423750	-17.936143	27.50	-1.618819	59.590755	20.017507
11.75	-18.786463	-51.738224	-18.249012	27.75	-4.906056	59.346046	19.804844
12.00	-15.392993	-52.859211	-18.493627	28.00	-8.178671	58.926058	19.533689
12.25	-11.942591	-53.783441	-18.669399	28.25	-11.427003	58.330855	19.204451
12.50	-8.448123	-54.508453	-18.776015	28.50	-14.641316	57.560939	18.817690
12.75	-4.922502	-55.032584	-18.813435	28.75	-17.811811	56.617261	18.374118
13.00	-1.378627	-55.354962	-18.781886	29.00	-20.928642	55.501238	17.874608
13.25	2.170665	-55.475496	-18.681856	29.25	-23.981930	54.214770	17.320195
13.50	5.712656	-55.394858	-18.514085	29.50	-26.961788	52.760250	16.712082
13.75	9.234793	-55.114467	-18.279561	29.75	-29.858338	51.140584	16.051642
14.00	12.724737	-54.636471	-17.979509	30.00	-32.661740	49.359206	15.340427
14.25	16.170407	-53.963716	-17.615380	30.25	-35.362216	47.420095	14.580166
14.50	19.560020	-53.099732	-17.188841	30.50	-37.950082	45.327788	13.772775
14.75	22.882133	-52.048699	-16.701769	30.75	-40.415784	43.087395	12.920358
15.00	26.125679	-50.815421	-16.156235	31.00	-42.749933	40.704613	12.025207
15.25	29.280000	-49.405293	-15.554493	31.25	-44.943349	38.185735	11.089810
15.50	32.334881	-47.824276	-14.898970	31.50	-46.987102	35.537659	10.116845
15.75	35.280576	-46.078859	-14.192252	31.75	-48.872566	32.767892	9.109184
16.00	38.107840	-44.176024	-13.437072				
16.25	40.807946	-42.123216	-12.636300				
16.50	43.372711	-39.928304	-11.792923				
16.75	45.794513	-37.599547	-10.910041				

APRIL 1977

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-50.591463	29.884552	8.069892	16.00	62.038725	-2.851207	1.495414
1.25	-52.135924	26.896367	7.002221	16.25	62.188379	0.335114	2.573731
1.50	-53.498540	23.812662	5.909607	16.50	62.152621	3.521673	3.644800
1.75	-54.672428	20.643349	4.795663	16.75	61.932661	6.698925	4.705458
2.00	-55.651283	17.398906	3.664166	17.00	61.530213	9.857451	5.752605
2.25	-56.429442	14.090352	2.519053	17.25	60.947474	12.987983	6.783209
2.50	-57.001947	10.729210	1.364402	17.50	60.187116	16.081420	7.794314
2.75	-57.364600	7.327470	0.204416	17.75	59.252266	19.128848	8.783046
3.00	-57.514019	3.897538	-0.956593	18.00	58.146495	22.121558	9.746617
3.25	-57.447691	0.452184	-2.114225	18.25	56.873800	25.051066	10.682331
3.50	-57.164022	-2.995526	-3.264018	18.50	55.438586	27.909124	11.587586
3.75	-56.662374	-6.432293	-4.401470	18.75	53.845655	30.687739	12.459885
4.00	-55.943104	-9.844666	-5.522066	19.00	52.100181	33.379185	13.296832
4.25	-55.007585	-13.219117	-6.621306	19.25	50.207699	35.976016	14.096141
4.50	-53.858224	-16.542130	-7.694736	19.50	48.174086	38.471078	14.855639
4.75	-52.498471	-19.800285	-8.737977	19.75	46.005543	40.857521	15.573265
5.00	-50.932815	-22.980351	-9.746752	20.00	43.708575	43.128807	16.247077
5.25	-49.166765	-26.069370	-10.716917	20.25	41.289981	45.278721	16.875252
5.50	-47.206832	-29.054751	-11.644495	20.50	38.756828	47.301375	17.456089
5.75	-45.060488	-31.924349	-12.525692	20.75	36.116441	49.191222	17.988010
6.00	-42.736122	-34.666551	-13.356935	21.00	33.376385	50.943057	18.469562
6.25	-40.242988	-37.270350	-14.134885	21.25	30.544447	52.552025	18.899419
6.50	-37.591139	-39.725415	-14.856465	21.50	27.628621	54.013626	19.276382
6.75	-34.791359	-42.022152	-15.518875	21.75	24.637096	55.323721	19.599380
7.00	-31.855087	-44.151759	-16.119604	22.00	21.578235	56.478532	19.867472
7.25	-28.794337	-46.106269	-16.656451	22.25	18.460569	57.474654	20.079848
7.50	-25.621613	-47.878590	-17.127523	22.50	15.292776	58.309052	20.235829
7.75	-22.349828	-49.462525	-17.531249	22.75	12.083671	58.979067	20.334865
8.00	-18.992215	-50.852798	-17.866378	23.00	8.842195	59.482424	20.376544
8.25	-15.562246	-52.045058	-18.131982	23.25	5.577400	59.817227	20.360582
8.50	-12.073546	-53.035881	-18.327447	23.50	2.298434	59.981975	20.286835
8.75	-8.539815	-53.822763	-18.452478	23.75	-0.985462	59.975557	20.155289
9.00	-4.974752	-54.404111	-18.507080	24.00	-4.264977	59.797261	19.966073
9.25	-1.391983	-54.779217	-18.491558	24.25	-7.530733	59.446779	19.719450
9.50	2.195003	-54.948239	-18.406499	24.50	-10.773300	58.924215	19.415824
9.75	5.772924	-54.912168	-18.252766	24.75	-13.983211	58.230090	19.055741
10.00	9.328752	-54.672798	-18.031479	25.00	-17.150971	57.365347	18.639892
10.25	12.849768	-54.232687	-17.744004	25.25	-20.267073	56.331364	18.169112
10.50	16.323611	-53.595122	-17.391938	25.50	-23.322010	55.129960	17.644384
10.75	19.738316	-52.764080	-16.977095	25.75	-26.306294	53.763402	17.066844
11.00	23.082347	-51.744182	-16.501487	26.00	-29.210469	52.234421	16.437779
11.25	26.344636	-50.540659	-15.967314	26.25	-32.025131	50.546216	15.758634
11.50	29.514601	-49.159304	-15.376945	26.50	-34.740949	48.702469	15.031013
11.75	32.582176	-47.606437	-14.732907	26.75	-37.348686	46.707353	14.256681
12.00	35.537827	-45.888860	-14.037867	27.00	-39.839222	44.565547	13.437567
12.25	38.372566	-44.013819	-13.294619	27.25	-42.203584	42.282240	12.575770
12.50	41.077971	-41.988963	-12.506072	27.50	-44.432970	39.863149	11.673555
12.75	43.646186	-39.822311	-11.675235	27.75	-46.518789	37.314521	10.733361
13.00	46.069937	-37.522207	-10.805204	28.00	-48.452688	34.643148	9.757800
13.25	48.342533	-35.097292	-9.899153	28.25	-50.226596	31.856366	8.749655
13.50	50.457872	-32.556465	-8.960317	28.50	-51.832762	28.962066	7.711884
13.75	52.410441	-29.908850	-7.991984	28.75	-53.263801	25.968690	6.647616
14.00	54.195314	-27.163761	-6.997484	29.00	-54.512741	22.885232	5.560150
14.25	55.808158	-24.330677	-5.980177	29.25	-55.573075	19.721232	4.452951
14.50	57.245221	-21.419203	-4.943444	29.50	-56.438809	16.486766	3.329643
14.75	58.503336	-18.439045	-3.890676	29.75	-57.104522	13.192428	2.194004
15.00	59.579908	-15.399983	-2.825266	30.00	-57.565419	9.849312	1.049954
15.25	60.472917	-12.311837	-1.750597	30.25	-57.817389	6.468985	-0.098453
15.50	61.180901	-9.184446	-0.670038	30.50	-57.857064	3.063447	-1.247047
15.75	61.702957	-6.027638	0.413068	30.75	-57.681872	-0.354902	-2.391554

MAY

1977

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-57.290094	-3.773318	-3.527617	17.00	46.148843	40.861450	15.592076
1.25	-56.680911	-7.178763	-4.650816	17.25	43.854353	43.127317	16.269043
1.50	-55.854456	-10.557976	-5.756692	17.50	41.437443	45.273498	16.901004
1.75	-54.811852	-13.897538	-6.840772	17.75	38.905163	47.294147	17.486259
2.00	-53.555242	-17.183956	-7.898599	18.00	36.264826	49.183749	18.023229
2.25	-52.087821	-20.403741	-8.925754	18.25	33.523996	50.937124	18.510455
2.50	-50.413846	-23.543503	-9.917898	18.50	30.690471	52.549438	18.946605
2.75	-48.538642	-26.590038	-10.870792	18.75	27.772267	54.016210	19.330473
3.00	-46.468599	-29.530429	-11.780338	19.00	24.777604	55.333321	19.660981
3.25	-44.211148	-32.352140	-12.642604	19.25	21.714887	56.497019	19.937183
3.50	-41.774733	-35.043112	-13.453861	19.50	18.592695	57.503926	20.158265
3.75	-39.168770	-37.591853	-14.210605	19.75	15.419760	58.351048	20.323547
4.00	-36.403587	-39.987534	-14.909594	20.00	12.204956	59.035775	20.432484
4.25	-33.490360	-42.220063	-15.547866	20.25	8.957277	59.555888	20.484667
4.50	-30.441041	-44.280167	-16.122762	20.50	5.685827	59.909568	20.479824
4.75	-27.268265	-46.159452	-16.631950	20.75	2.399803	60.095396	20.417822
5.00	-23.985263	-47.850463	-17.073434	21.00	-0.891526	60.112359	20.298668
5.25	-20.605765	-49.346727	-17.445569	21.25	-4.178828	59.959855	20.122508
5.50	-17.143894	-50.642787	-17.747066	21.50	-7.452727	59.637695	19.889629
5.75	-13.614067	-51.734223	-17.976998	21.75	-10.703822	59.146110	19.600461
6.00	-10.030890	-52.617660	-18.134796	22.00	-13.922696	58.485749	19.255575
6.25	-6.409057	-53.290770	-18.220248	22.25	-17.099938	57.657693	18.855684
6.50	-2.763250	-53.752258	-18.233488	22.50	-20.226158	56.663446	18.401647
6.75	0.891949	-54.001841	-18.174986	22.75	-23.292001	55.504950	17.894466
7.00	4.542151	-54.040216	-18.045537	23.00	-26.288168	54.184581	17.335288
7.25	8.173238	-53.869024	-17.846239	23.25	-29.205430	52.705158	16.725406
7.50	11.771436	-53.490806	-17.578484	23.50	-32.034649	51.069945	16.066259
7.75	15.323380	-52.908952	-17.243928	23.75	-34.766795	49.282656	15.359435
8.00	18.816171	-52.127647	-16.844484	24.00	-37.392966	47.347458	14.606667
8.25	22.237427	-51.151822	-16.382289	24.25	-39.904411	45.268974	13.809840
8.50	25.575321	-49.987087	-15.859690	24.50	-42.292549	43.052293	12.970984
8.75	28.818615	-48.639682	-15.279223	24.75	-44.548995	40.702966	12.092283
9.00	31.956690	-47.116413	-14.643589	25.00	-46.665582	38.227016	11.176068
9.25	34.979563	-45.424599	-13.955639	25.25	-48.634392	35.630936	10.224821
9.50	37.877899	-43.572017	-13.218351	25.50	-50.447780	32.921694	9.241173
9.75	40.643027	-41.566847	-12.434813	25.75	-52.098407	30.106732	8.227905
10.00	43.266938	-39.417624	-11.608208	26.00	-53.579274	27.193971	7.187945
10.25	45.742285	-37.133187	-10.741794	26.25	-54.883752	24.191800	6.124365
10.50	48.062387	-34.722636	-9.838892	26.50	-56.005622	21.190981	5.040384
10.75	50.221215	-32.195290	-8.902870	26.75	-56.939113	17.955136	3.939358
11.00	52.213388	-29.560645	-7.937132	27.00	-57.678945	14.739743	2.824778
11.25	54.034163	-26.828338	-6.945105	27.25	-58.220365	11.473120	1.700266
11.50	55.679422	-24.008116	-5.930228	27.50	-58.559201	8.165913	0.569566
11.75	57.145659	-21.109799	-4.895939	27.75	-58.691900	4.829168	-0.563466
12.00	58.429969	-18.143255	-3.845672	28.00	-58.615578	1.474314	-1.694869
12.25	59.530033	-15.118369	-2.782843	28.25	-58.328066	-1.886872	-2.820591
12.50	60.444103	-12.045023	-1.710844	28.50	-57.827955	-5.242302	-3.936501
12.75	61.170989	-8.933065	-0.633037	28.75	-57.114648	-8.579617	-5.038408
13.00	61.710044	-5.792294	0.447257	29.00	-56.188394	-11.886235	-6.122077
13.25	62.061147	-2.632439	1.526759	29.25	-55.050337	-15.149409	-7.183249
13.50	62.224695	0.536868	2.602242	29.50	-53.702547	-18.356286	-8.217663
13.75	62.201583	3.706100	3.670534	29.75	-52.148056	-21.493975	-9.221081
14.00	61.993194	6.865856	4.728524	30.00	-50.390880	-24.549624	-10.189314
14.25	61.601382	10.006882	5.773169	30.25	-48.436037	-27.510494	-11.118246
14.50	61.028461	13.120078	6.801494	30.50	-46.289558	-30.364048	-12.003869
14.75	60.277191	16.196519	7.810601	30.75	-43.958487	-33.098036	-12.842306
15.00	59.350765	19.227469	8.797672	31.00	-41.450865	-35.700585	-13.629848
15.25	58.252792	22.204391	9.759971	31.25	-38.775714	-38.160294	-14.362974
15.50	56.987290	25.118965	10.694851	31.50	-35.942998	-40.466322	-15.038392
15.75	55.558669	27.963099	11.599756	31.75	-32.963580	-42.608475	-15.653060
16.00	53.971716	30.728941	12.472226				
16.25	52.231584	33.408891	13.309899				
16.50	50.343779	35.995617	14.110516				
16.75	48.314144	38.482059	14.871923				

JUNE 1977

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-29.849164	-44.577297	-16.204215	16.00	15.396524	58.310050	20.334743
1.25	-26.612224	-46.364146	-16.689397	16.25	12.175343	58.988928	20.452367
1.50	-23.265926	-47.961265	-17.106469	16.50	8.919948	59.503568	20.513314
1.75	-19.824040	-49.361850	-17.453639	16.75	5.639513	59.852196	20.517302
2.00	-16.300841	-50.560100	-17.729472	17.00	2.343309	60.033448	20.464195
2.25	-12.711010	-51.551261	-17.932898	17.25	-0.959307	60.046374	20.353993
2.50	-9.069521	-52.331655	-18.063225	17.50	-4.258912	59.890449	20.186845
2.75	-5.391537	-52.898700	-18.120136	17.75	-7.546037	59.565572	19.963043
3.00	-1.692297	-53.250912	-18.103685	18.00	-10.811186	59.072076	19.683026
3.25	2.012991	-53.387901	-18.014297	18.25	-14.044853	58.410733	19.347381
3.50	5.709258	-53.310350	-17.852752	18.50	-17.237544	57.582753	18.956841
3.75	9.381668	-53.019988	-17.620175	18.75	-20.379797	56.589794	18.512290
4.00	13.015717	-52.519543	-17.318017	19.00	-23.462204	55.433961	18.014758
4.25	16.597317	-51.812704	-16.948037	19.25	-26.475430	54.117807	17.465426
4.50	20.112867	-50.904057	-16.512276	19.50	-29.410236	52.644337	16.865623
4.75	23.549329	-49.799024	-16.013041	19.75	-32.257501	51.017010	16.216825
5.00	26.894279	-48.503804	-15.452876	20.00	-35.008242	49.239735	15.520657
5.25	30.135955	-47.025298	-14.834537	20.25	-37.653642	47.316875	14.778888
5.50	33.263301	-45.371039	-14.160970	20.50	-40.185067	45.253242	13.993436
5.75	36.265988	-43.549125	-13.435281	20.75	-42.594093	43.054099	13.166360
6.00	39.134439	-41.568149	-12.660719	21.00	-44.872532	40.725154	12.299863
6.25	41.859841	-39.437130	-11.840646	21.25	-47.012451	38.272560	11.396287
6.50	44.434149	-37.165447	-10.978519	21.50	-49.006204	35.702907	10.458115
6.75	46.850085	-34.762781	-10.077867	21.75	-50.846451	33.023221	9.487962
7.00	49.101135	-32.239052	-9.142274	22.00	-52.526191	30.240958	8.488579
7.25	51.181530	-29.604370	-8.175358	22.25	-54.038785	27.363991	7.462845
7.50	53.086241	-26.868980	-7.180756	22.50	-55.377985	24.400610	6.413766
7.75	54.810953	-24.043220	-6.162113	22.75	-56.537965	21.359506	5.344470
8.00	56.352049	-21.137475	-5.123061	23.00	-57.513349	18.249763	4.258201
8.25	57.706585	-18.162145	-4.067214	23.25	-58.299241	15.080846	3.158315
8.50	58.872272	-15.127606	-2.998154	23.50	-58.891256	11.862580	2.048275
8.75	59.847446	-12.044181	-1.919421	23.75	-59.285555	8.605142	0.931640
9.00	60.631050	-8.922114	-0.834508	24.00	-59.478875	5.319032	-0.187938
9.25	61.222604	-5.771545	0.253148	24.25	-59.468562	2.015059	-1.306722
9.50	61.622189	-2.602490	1.340174	24.50	-59.252604	-1.295691	-2.420906
9.75	61.830417	0.575180	2.423264	24.75	-58.829668	-4.601880	-3.526621
10.00	61.848414	3.751752	3.499183	25.00	-58.199126	-7.891951	-4.619945
10.25	61.677797	6.917691	4.564775	25.25	-57.361094	-11.154166	-5.696921
10.50	61.320653	10.063647	5.616962	25.50	-56.316459	-14.376642	-6.753570
10.75	60.779524	13.180472	6.652752	25.75	-55.066908	-17.547404	-7.785906
11.00	60.057383	16.259229	7.669237	26.00	-53.614954	-20.654422	-8.789954
11.25	59.157622	19.291200	8.663601	26.25	-51.963963	-23.685677	-9.761768
11.50	58.084034	22.267898	9.633118	26.50	-50.118171	-26.629210	-10.697452
11.75	56.840795	25.181072	10.575154	26.75	-48.082695	-29.473186	-11.593182
12.00	55.432456	28.022720	11.487176	27.00	-45.863552	-32.205965	-12.445228
12.25	53.863921	30.785094	12.366744	27.25	-43.467650	-34.816166	-13.249977
12.50	52.140443	33.460708	13.211523	27.50	-40.902795	-37.292742	-14.003958
12.75	50.267602	36.042345	14.019277	27.75	-38.177670	-39.625055	-14.703867
13.00	48.251299	38.523068	14.787877	28.00	-35.301821	-41.802951	-15.346593
13.25	46.097743	40.896225	15.515299	28.25	-32.285622	-43.816838	-15.929237
13.50	43.813436	43.155458	16.199632	28.50	-29.140240	-45.657762	-16.449148
13.75	41.405164	45.294711	16.839071	28.75	-25.877584	-47.317480	-16.903933
14.00	38.879985	47.308238	17.431929	29.00	-22.510248	-48.788526	-17.291489
14.25	36.245215	49.190614	17.976635	29.25	-19.051442	-50.064284	-17.610016
14.50	33.508418	50.936738	18.471733	29.50	-15.514918	-51.139040	-17.858039
14.75	30.677392	52.541848	18.915893	29.75	-11.914882	-52.008040	-18.034419
15.00	27.760157	54.001524	19.307904	30.00	-8.265909	-52.667525	-18.138366
15.25	24.764941	55.311700	19.646684	30.25	-4.582841	-53.114770	-18.169449
15.50	21.700167	56.468674	19.931278	30.50	-0.880690	-53.348105	-18.127598
15.75	18.574439	57.469108	20.160862	30.75	2.825466	-53.366926	-18.013102

RECTANGULAR COORDINATES OF THE MOON 1971-1980

JULY

1977

DAY	X	Y	Z	DAY	X	Y	Z
1.00	6.520586	-53.171692	-17.826612	17.00	-32.187595	50.806671	16.248390
1.25	10.189768	-52.763922	-17.569130	17.25	-34.956982	49.015887	15.560076
1.50	13.818350	-52.146164	-17.241995	17.50	-37.621604	47.079071	14.825720
1.75	17.392000	-51.321966	-16.846877	17.75	-40.172704	45.001234	14.047272
2.00	20.896814	-50.295835	-16.385751	18.00	-42.601756	42.787851	13.226832
2.25	24.319388	-49.073183	-15.860885	18.25	-44.900494	40.444869	12.366651
2.50	27.646900	-47.660271	-15.274812	18.50	-47.060935	37.978688	11.469122
2.75	30.867167	-46.064143	-14.630307	18.75	-49.075417	35.396163	10.536781
3.00	33.968706	-44.292559	-13.930366	19.00	-50.936621	32.704584	9.572303
3.25	36.940777	-42.353922	-13.178176	19.25	-52.637607	29.911674	8.578491
3.50	39.773419	-40.257202	-12.377090	19.50	-54.171837	27.025567	7.558278
3.75	42.457475	-38.011865	-11.530602	19.75	-55.533209	24.054798	6.514716
4.00	44.984610	-35.627798	-10.642319	20.00	-56.716085	21.008285	5.450974
4.25	47.347318	-33.115235	-9.715941	20.25	-57.715317	17.895306	4.370325
4.50	49.538926	-30.484691	-8.755233	20.50	-58.526275	14.725485	3.276144
4.75	51.553585	-27.746892	-7.764003	20.75	-59.144877	11.508764	2.171895
5.00	53.386257	-24.912719	-6.746086	21.00	-59.567614	8.255380	1.061124
5.25	55.032701	-21.993144	-5.705323	21.25	-59.791572	4.975838	-0.052549
5.50	56.489448	-18.999182	-4.645539	21.50	-59.814462	1.680887	-1.165444
5.75	57.753781	-15.941838	-3.570537	21.75	-59.634642	-1.618516	-2.273828
6.00	58.823700	-12.832069	-2.484074	22.00	-59.251136	-4.911236	-3.373928
6.25	59.697899	-9.680742	-1.389858	22.25	-58.663661	-8.185994	-4.461945
6.50	60.375736	-6.498600	-0.291533	22.50	-57.872641	-11.431403	-5.534064
6.75	60.857196	-3.296235	0.807332	22.75	-56.879227	-14.636007	-6.586467
7.00	61.142866	-0.084058	1.903246	23.00	-55.685313	-17.788323	-7.615351
7.25	61.233902	3.127720	2.992805	23.25	-54.293551	-20.876882	-8.616938
7.50	61.131997	6.329110	4.072696	23.50	-52.707358	-23.890276	-9.587496
7.75	60.839358	9.510354	5.139704	23.75	-50.930929	-26.817204	-10.523350
8.00	60.358673	12.661949	6.190712	24.00	-48.969241	-29.646521	-11.420899
8.25	59.693087	15.774647	7.222708	24.25	-46.828052	-32.367291	-12.276638
8.50	58.846177	18.839472	8.232781	24.50	-44.513900	-34.968841	-13.087171
8.75	57.821931	21.847723	9.218130	24.75	-42.034101	-37.440813	-13.849232
9.00	56.624721	24.790983	10.176060	25.00	-39.396730	-39.773221	-14.559703
9.25	55.259289	27.661121	11.103985	25.25	-36.610610	-41.956511	-15.215630
9.50	53.730726	30.450302	11.999429	25.50	-33.685288	-43.981615	-15.814246
9.75	52.044454	33.150982	12.860027	25.75	-30.631008	-45.840012	-16.352986
10.00	50.206212	35.755921	13.683525	26.00	-27.458678	-47.523782	-16.829508
10.25	48.222039	38.258181	14.467777	26.25	-24.179826	-49.025663	-17.241708
10.50	46.098263	40.651129	15.210755	26.50	-20.806558	-50.339105	-17.587739
10.75	43.841489	42.928445	15.910540	26.75	-17.351502	-51.458321	-17.866025
11.00	41.458582	45.084122	16.565329	27.00	-13.827753	-52.378332	-18.075274
11.25	38.956660	47.112470	17.173432	27.25	-10.248799	-53.095014	-18.214494
11.50	36.343086	49.008123	17.733276	27.50	-6.628461	-53.605130	-18.282999
11.75	33.625449	50.766044	18.243408	27.75	-2.980811	-53.906364	-18.280422
12.00	30.811561	52.381529	18.702490	28.00	0.679906	-53.997344	-18.206716
12.25	27.909447	53.850215	19.109306	28.25	4.339357	-53.877660	-18.062161
12.50	24.927327	55.168083	19.462764	28.50	7.983202	-53.547870	-17.847361
12.75	21.873615	56.331472	19.761896	28.75	11.597186	-53.009503	-17.563244
13.00	18.756900	57.337079	20.005858	29.00	15.167220	-52.265046	-17.211055
13.25	15.585940	58.181972	20.193940	29.25	18.679472	-51.317930	-16.792351
13.50	12.369648	58.863597	20.325561	29.50	22.120444	-50.172503	-16.308983
13.75	9.117077	59.379787	20.400272	29.75	25.477056	-48.833996	-15.763089
14.00	5.837408	59.728768	20.417765	30.00	28.736719	-47.308481	-15.157073
14.25	2.539938	59.909174	20.377868	30.25	31.887402	-45.602820	-14.493593
14.50	-0.765941	59.920050	20.280550	30.50	34.917696	-43.724615	-13.775530
14.75	-4.070755	59.760863	20.125928	30.75	37.816868	-41.682142	-13.005977
15.00	-7.364967	59.431512	19.914260	31.00	40.574906	-39.484292	-12.188212
15.25	-10.638995	58.932335	19.645958	31.25	43.182561	-37.140501	-11.325672
15.50	-13.883232	58.264114	19.321579	31.50	45.631375	-34.660681	-10.421930
15.75	-17.088070	57.428088	18.941837	31.75	47.913703	-32.055152	-9.480676
16.00	-20.243918	56.425954	18.507596				
16.25	-23.341228	55.259876	18.019877				
16.50	-26.370518	53.932486	17.479856				
16.75	-29.322398	52.446890	16.888864				

AUGUST 1977

DAY	X	Y	Z	DAY	X	Y	Z
1.00	50.022727	-29.334569	-8.505685	17.00	-58.832537	11.342993	2.280990
1.25	51.952462	-26.509858	-7.500801	17.25	-59.274711	8.058853	1.169301
1.50	53.697756	-23.592145	-6.469907	17.50	-59.517359	4.748815	0.054297
1.75	55.254281	-20.592697	-5.416914	17.75	-59.558321	1.423987	-1.060253
2.00	56.618520	-17.522858	-4.345731	18.00	-59.396135	-1.904334	-2.170537
2.25	57.787746	-14.393994	-3.260255	18.25	-59.030059	-5.224701	-3.272709
2.50	58.760006	-11.217443	-2.164346	18.50	-58.460089	-8.525569	-4.362916
2.75	59.534086	-8.004463	-1.061821	18.75	-57.686968	-11.795329	-5.437298
3.00	60.109486	-4.766194	0.043569	19.00	-56.712199	-15.022366	-6.492019
3.25	60.486390	-1.513614	1.148142	19.25	-55.538051	-18.195095	-7.523269
3.50	60.665628	1.742487	2.248302	19.50	-54.167562	-21.302019	-8.527292
3.75	60.648649	4.991546	3.340547	19.75	-52.604537	-24.331773	-9.500394
4.00	60.437481	8.223243	4.421471	20.00	-50.853548	-27.273175	-10.438965
4.25	60.034701	11.427531	5.487780	20.25	-48.919920	-30.115272	-11.339492
4.50	59.443401	14.594646	6.536287	20.50	-46.809725	-32.847396	-12.198574
4.75	58.667157	17.715129	7.563921	20.75	-44.529763	-35.459206	-13.012941
5.00	57.709997	20.779832	8.567731	21.00	-42.087546	-37.940740	-13.779469
5.25	56.576372	23.779929	9.544886	21.25	-39.491271	-40.282462	-14.495196
5.50	55.271128	26.706927	10.492676	21.50	-36.749800	-42.475309	-15.157330
5.75	53.799481	29.552663	11.408515	21.75	-33.872625	-44.510732	-15.763274
6.00	52.166994	32.309317	12.289941	22.00	-30.869835	-46.380747	-16.310632
6.25	50.379553	34.969406	13.134615	22.25	-27.752081	-48.077972	-16.797224
6.50	48.443345	37.525793	13.940322	22.50	-24.530534	-49.595664	-17.221099
6.75	46.364843	39.971681	14.704971	22.75	-21.216841	-50.927766	-17.580544
7.00	44.150786	42.300621	15.426593	23.00	-17.823075	-52.068931	-17.874099
7.25	41.808164	44.506505	16.103341	23.25	-14.361689	-53.014560	-18.100558
7.50	39.344203	46.583570	16.733491	23.50	-10.845457	-53.760829	-18.258988
7.75	36.766354	48.526401	17.315442	23.75	-7.287420	-54.304715	-18.348726
8.00	34.082277	50.329925	17.847713	24.00	-3.700826	-54.644013	-18.369389
8.25	31.299836	51.989421	18.328946	24.25	-0.099067	-54.777357	-18.320878
8.50	28.427082	53.500513	18.757905	24.50	3.504384	-54.704230	-18.203377
8.75	25.472247	54.859179	19.133477	24.75	7.096037	-54.424969	-18.017358
9.00	22.443735	56.061753	19.454673	25.00	10.662454	-53.940771	-17.763577
9.25	19.350112	57.104927	19.720627	25.25	14.190316	-53.253685	-17.443072
9.50	16.200093	57.985758	19.930599	25.50	17.666487	-52.366606	-17.057156
9.75	13.002542	58.701672	20.083980	25.75	21.078083	-51.283257	-16.607414
10.00	9.766451	59.250473	20.180287	26.00	24.412536	-50.008173	-16.095692
10.25	6.500941	59.630347	20.219169	26.25	27.657658	-48.546671	-15.524086
10.50	3.215241	59.839871	20.200409	26.50	30.801700	-46.904818	-14.894932
10.75	-0.081315	59.878025	20.123926	26.75	33.833410	-45.089401	-14.210791
11.00	-3.379306	59.744194	19.989780	27.00	36.742086	-43.107876	-13.474433
11.25	-6.669237	59.438184	19.798170	27.25	39.517625	-40.968330	-12.688824
11.50	-9.941552	58.960228	19.549441	27.50	42.150566	-38.679427	-11.857103
11.75	-13.186653	58.310998	19.244084	27.75	44.632131	-36.250356	-10.982566
12.00	-16.394916	57.491614	18.882741	28.00	46.954251	-33.690777	-10.068649
12.25	-19.556711	56.503650	18.466207	28.25	49.109602	-31.010761	-9.118904
12.50	-22.662424	55.349153	17.995432	28.50	51.091618	-28.220733	-8.136980
12.75	-25.702482	54.030639	17.471522	28.75	52.894508	-25.331413	-7.126606
13.00	-28.667371	52.551113	16.895745	29.00	54.513265	-22.353751	-6.091564
13.25	-31.547670	50.914066	16.269527	29.25	55.943667	-19.298878	-5.035677
13.50	-34.334076	49.123485	15.594459	29.50	57.182274	-16.178041	-3.962785
13.75	-37.017432	47.183859	14.872292	29.75	58.226422	-13.002551	-2.876730
14.00	-39.588762	45.100177	14.104941	30.00	59.074204	-9.783731	-1.781336
14.25	-42.039298	42.877930	13.294483	30.25	59.724461	-6.532864	-0.680396
14.50	-44.360522	40.523111	12.443153	30.50	60.176751	-3.261147	0.422348
14.75	-46.544192	38.042206	11.553345	30.75	60.431333	0.020350	1.523213
15.00	-48.582384	35.442194	10.627608	31.00	60.489134	3.300724	2.618589
15.25	-50.467525	32.730532	9.668641	31.25	60.351721	6.569279	3.704954
15.50	-52.192431	29.915145	8.679289	31.50	60.021273	9.815550	4.778879
15.75	-53.750341	27.004413	7.662536	31.75	59.500545	13.029337	5.837037
16.00	-55.134956	24.007148	6.621498				
16.25	-56.340471	20.932578	5.559416				
16.50	-57.361614	17.790320	4.479647				
16.75	-58.193674	14.590353	3.385652				

SEPTEMBER 1977

DAY	X	Y	Z	DAY	X	Y	Z
1.00	58.792837	16.200728	6.876212	16.00	-52.207777	-24.010597	-9.267487
1.25	57.901960	19.320117	7.893307	16.25	-50.462196	-27.003057	-10.217615
1.50	56.832207	22.378227	8.885344	16.50	-48.531965	-29.895058	-11.129715
1.75	55.588318	25.366117	9.849469	16.75	-46.423565	-32.675550	-12.000285
2.00	54.175450	28.275199	10.782959	17.00	-44.144253	-35.333881	-12.825975
2.25	52.599148	31.097249	11.683221	17.25	-41.702027	-37.859857	-13.603605
2.50	50.865313	33.824405	12.547793	17.50	-39.105588	-40.243788	-14.330182
2.75	48.980180	36.449180	13.374346	17.75	-36.364304	-42.476543	-15.002914
3.00	46.950291	38.964462	14.160684	18.00	-33.488160	-44.549590	-15.619223
3.25	44.782470	41.363515	14.904746	18.25	-30.487713	-46.455044	-16.176763
3.50	42.483801	43.639981	15.604602	18.50	-27.374038	-48.185698	-16.673422
3.75	40.061611	45.787879	16.258454	18.75	-24.158672	-49.735057	-17.107342
4.00	37.523446	47.801606	16.864635	19.00	-20.853566	-51.097370	-17.476915
4.25	34.877060	49.675931	17.421610	19.25	-17.471017	-52.267651	-17.780801
4.50	32.130394	51.406001	17.927973	19.50	-14.023617	-53.241696	-18.017926
4.75	29.291567	52.987331	18.382444	19.75	-10.524189	-54.016103	-18.187487
5.00	26.368858	54.415813	18.783875	20.00	-6.985729	-54.588277	-18.288952
5.25	23.370698	55.687705	19.131242	20.25	-3.421348	-54.956440	-18.322065
5.50	20.305657	56.799638	19.423651	20.50	0.155793	-55.119630	-18.286842
5.75	17.182437	57.748614	19.660331	20.75	3.732535	-55.077701	-18.183567
6.00	14.009857	58.532009	19.840643	21.00	7.295784	-54.831316	-18.012795
6.25	10.796850	59.147573	19.964070	21.25	10.832564	-54.381936	-17.775337
6.50	7.552451	59.593432	20.030228	21.50	14.330076	-53.731809	-17.472266
6.75	4.285789	59.868095	20.038859	21.75	17.775746	-52.883951	-17.104901
7.00	1.006077	59.970459	19.989837	22.00	21.157284	-51.842124	-16.674800
7.25	-2.277393	59.899811	19.883169	22.25	24.462727	-50.610815	-16.183757
7.50	-5.555269	59.655838	19.718993	22.50	27.680492	-49.195211	-15.633785
7.75	-8.818136	59.238633	19.497587	22.75	30.799415	-47.601164	-15.027107
8.00	-12.056543	58.648705	19.219366	23.00	33.808800	-45.835162	-14.366148
8.25	-15.261002	57.886985	18.884887	23.25	36.698454	-43.904296	-13.653517
8.50	-18.422011	56.954840	18.494850	23.50	39.458727	-41.816217	-12.891996
8.75	-21.530067	55.854079	18.050104	23.75	42.080542	-39.579101	-12.084527
9.00	-24.575681	54.586966	17.551648	24.00	44.555428	-37.201610	-11.234196
9.25	-27.549403	53.156227	17.000632	24.25	46.875546	-34.692839	-10.344218
9.50	-30.441837	51.565066	16.398364	24.50	49.033712	-32.062283	-9.417924
9.75	-33.243670	49.817170	15.746311	24.75	51.023416	-29.319784	-8.458741
10.00	-35.945692	47.916718	15.046099	25.00	52.838839	-26.475487	-7.470181
10.25	-38.538832	45.868394	14.299517	25.25	54.474863	-23.533791	-6.455822
10.50	-41.014180	43.677386	13.508520	25.50	55.927079	-20.523305	-5.419293
10.75	-43.363024	41.349400	12.675228	25.75	57.191794	-17.436799	-4.364258
11.00	-45.576886	38.890657	11.801925	26.00	58.266026	-14.291155	-3.294401
11.25	-47.647555	36.307895	10.891061	26.25	59.147504	-11.097326	-2.213410
11.50	-49.567129	33.608369	9.945248	26.50	59.834662	-7.866288	-1.124964
11.75	-51.328056	30.799844	8.967260	26.75	60.326622	-4.608998	-0.032717
12.00	-52.923171	27.890589	7.960026	27.00	60.623190	-1.336351	1.059713
12.25	-54.345745	24.889361	6.926627	27.25	60.724828	1.940859	2.148760
12.50	-55.589523	21.805394	5.870290	27.50	60.632646	5.211975	3.230920
12.75	-56.648773	18.648373	4.794378	27.75	60.348373	8.466511	4.302759
13.00	-57.518324	15.428418	3.702383	28.00	59.874333	11.694191	5.360932
13.25	-58.193610	12.156044	2.597913	28.25	59.213423	14.884970	6.402180
13.50	-58.670711	8.842140	1.484685	28.50	58.369087	18.029068	7.423350
13.75	-58.946393	5.497921	0.366504	28.75	57.345283	21.116990	8.421394
14.00	-59.018139	2.134890	-0.752747	29.00	56.146458	24.139548	9.393380
14.25	-58.884185	-1.235206	-1.869123	29.25	54.777519	27.087885	10.336495
14.50	-58.543551	-4.600429	-2.978636	29.50	53.243803	29.953482	11.248051
14.75	-57.996057	-7.948702	-4.077272	29.75	51.551048	32.728181	12.125490
15.00	-57.242350	-11.267864	-5.161011	30.00	49.705365	35.404190	12.966383
15.25	-56.283914	-14.545729	-6.225846	30.25	47.713211	37.974095	13.768436
15.50	-55.123079	-17.770149	-7.267805	30.50	45.581358	40.430867	14.529491
15.75	-53.763025	-20.929070	-8.282966	30.75	43.316873	42.767868	15.247526

OCTOBER 1977

DAY	X	Y	Z	DAY	X	Y	Z
1.00	40.927089	44.978850	15.920656	17.00	-10.481082	-53.446705	-17.973818
1.25	38.419581	47.057964	16.547134	17.25	-6.908295	-54.067798	-18.090916
1.50	35.802148	48.999758	17.125349	17.50	-3.310404	-54.481445	-18.138660
1.75	33.082787	50.799176	17.653829	17.75	0.298845	-54.686933	-18.117156
2.00	30.269676	52.451557	18.131234	18.00	3.905792	-54.684429	-18.026794
2.25	27.371157	53.952638	18.556364	18.25	7.496924	-54.474967	-17.868251
2.50	24.395716	55.298547	18.928147	18.50	11.058944	-54.060418	-17.642476
2.75	21.351971	56.485805	19.245649	18.75	14.578826	-53.443465	-17.350676
3.00	18.248655	57.511321	19.508065	19.00	18.043870	-52.627567	-16.994312
3.25	15.094603	58.372395	19.714723	19.25	21.441754	-51.616924	-16.575078
3.50	11.898742	59.066712	19.865081	19.50	24.760574	-50.416444	-16.094892
3.75	8.670078	59.592341	19.958726	19.75	27.988891	-49.031696	-15.555882
4.00	5.417685	59.947741	19.995373	20.00	31.115760	-47.468876	-14.960368
4.25	2.150697	60.131752	19.974870	20.25	34.130770	-45.734760	-14.310850
4.50	-1.121705	60.143605	19.897192	20.50	37.024064	-43.836665	-13.609995
4.75	-4.390298	59.982918	19.762442	20.75	39.786369	-41.782407	-12.860619
5.00	-7.645830	59.649699	19.570857	21.00	42.409015	-39.580252	-12.065674
5.25	-10.879028	59.144354	19.322804	21.25	44.883950	-37.238883	-11.228231
5.50	-14.080608	58.467687	19.018780	21.50	47.203757	-34.767348	-10.351472
5.75	-17.241282	57.620909	18.659420	21.75	49.361665	-32.175027	-9.438667
6.00	-20.351777	56.605641	18.245493	22.00	51.351554	-29.471584	-8.493169
6.25	-23.402841	55.423924	17.777906	22.25	53.167967	-26.666929	-7.518394
6.50	-26.385256	54.078225	17.257708	22.50	54.806106	-23.771182	-6.517810
6.75	-29.289856	52.571448	16.686089	22.75	56.261837	-20.794626	-5.494925
7.00	-32.107543	50.906941	16.064385	23.00	57.531691	-17.747675	-4.453273
7.25	-34.829301	49.088504	15.394081	23.25	58.612853	-14.640835	-3.396402
7.50	-37.446222	47.120404	14.676812	23.50	59.503166	-11.484668	-2.327864
7.75	-39.949525	45.007378	13.914365	23.75	60.201117	-8.289755	-1.251201
8.00	-42.330583	42.754645	13.108685	24.00	60.705831	-5.066663	-0.169933
8.25	-44.580950	40.367916	12.261874	24.25	61.017058	-1.825912	0.912448
8.50	-46.692387	37.853396	11.376193	24.50	61.135163	1.422057	1.992494
8.75	-48.656903	35.217795	10.454063	24.75	61.061109	4.666913	3.066806
9.00	-50.466782	32.468330	9.498066	25.00	60.796444	7.898468	4.132047
9.25	-52.114626	29.612724	8.510945	25.25	60.343282	11.106696	5.184949
9.50	-53.593396	26.659207	7.495600	25.50	59.704286	14.281770	6.222320
9.75	-54.896451	23.616512	6.455090	25.75	58.882646	17.414082	7.241056
10.00	-56.017595	20.493867	5.392624	26.00	57.882060	20.494266	8.238144
10.25	-56.951126	17.300978	4.311560	26.25	56.7006714	23.513221	9.210673
10.50	-57.691879	14.048018	3.215394	26.50	55.361255	26.462135	10.155834
10.75	-58.235278	10.745601	2.107756	26.75	53.850771	29.332496	11.070933
11.00	-58.577383	7.404756	0.992397	27.00	52.180769	32.116116	11.953391
11.25	-58.714938	4.036894	-0.126824	27.25	50.357144	34.805142	12.800749
11.50	-58.645417	0.653767	-1.245950	27.50	48.386163	37.392074	13.610674
11.75	-58.367069	-2.732572	-2.360948	27.75	46.274435	39.869771	14.380962
12.00	-57.878956	-6.109825	-3.467720	28.00	44.028888	42.231465	15.109536
12.25	-57.180993	-9.465503	-4.562129	28.25	41.656745	44.470771	15.794458
12.50	-56.273977	-12.786986	-5.640014	28.50	39.165500	46.581690	16.433920
12.75	-55.159611	-16.061591	-6.697217	28.75	36.562896	48.558619	17.026252
13.00	-53.840527	-19.276640	-7.729604	29.00	33.856898	50.396353	17.569923
13.25	-52.320293	-22.419535	-8.733091	29.25	31.055679	52.090087	18.063538
13.50	-50.603420	-25.477836	-9.703671	29.50	28.167587	53.635423	18.505840
13.75	-48.695350	-28.439333	-10.637433	29.75	25.201137	55.028367	18.895710
14.00	-46.602452	-31.292128	-11.530596	30.00	22.164980	56.265330	19.232168
14.25	-44.331987	-34.024708	-12.379526	30.25	19.067893	57.343129	19.514370
14.50	-41.892089	-36.626023	-13.180765	30.50	15.918757	58.258985	19.741606
14.75	-39.291712	-39.085558	-13.931052	30.75	12.726539	59.010523	19.913307
15.00	-36.540592	-41.393396	-14.627343	31.00	9.500282	59.595769	20.029033
15.25	-33.649188	-43.540283	-15.266833	31.25	6.249083	60.013148	20.088480
15.50	-30.628618	-45.517686	-15.846972	31.50	2.982082	60.261485	20.091477
15.75	-27.490598	-47.317841	-16.365476	31.75	-0.291550	60.340001	20.037985
16.00	-24.247364	-48.933795	-16.820346				
16.25	-20.911601	-50.359442	-17.209873				
16.50	-17.496365	-51.589550	-17.532648				
16.75	-14.015004	-52.619782	-17.787564				

NOVEMBER 1977

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-3.562625	60.248310	19.928094	16.00	27.388325	-48.461025	-15.502348
1.25	-6.821954	59.986424	19.762029	16.25	30.585831	-46.925462	-14.916540
1.50	-10.060350	59.554746	19.540139	16.50	33.668142	-45.215124	-14.275277
1.75	-13.268647	58.954073	19.262908	16.75	36.625037	-43.337903	-13.581416
2.00	-16.437710	58.185595	18.930947	17.00	39.446985	-41.302194	-12.837962
2.25	-19.558440	57.250898	18.544998	17.25	42.125164	-39.116835	-12.048052
2.50	-22.621795	56.151966	18.105931	17.50	44.651472	-36.791049	-11.214936
2.75	-25.618791	54.891179	17.614749	17.75	47.018529	-34.334389	-10.341953
3.00	-28.540525	53.471322	17.072585	18.00	49.219679	-31.756691	-9.432523
3.25	-31.378176	51.895585	16.480705	18.25	51.248989	-29.068019	-8.490122
3.50	-34.123028	50.167570	15.840510	18.50	53.101239	-26.278624	-7.518275
3.75	-36.766480	48.291293	15.153535	18.75	54.771915	-23.398895	-6.520532
4.00	-39.300061	46.271193	14.421449	19.00	56.257196	-20.439322	-5.500465
4.25	-41.715452	44.112136	13.646064	19.25	57.553944	-17.410457	-4.461649
4.50	-44.004499	41.819421	12.829328	19.50	58.659685	-14.322878	-3.407652
4.75	-46.159238	39.398788	11.973332	19.75	59.572598	-11.187156	-2.342025
5.00	-48.171917	36.856422	11.080309	20.00	60.291494	-8.013824	-1.268294
5.25	-50.035021	34.198959	10.152639	20.25	60.815803	-4.813348	-0.189945
5.50	-51.741301	31.433490	9.192842	20.50	61.145554	-1.596102	0.889577
5.75	-53.283801	28.567569	8.203588	20.75	61.281356	1.627661	1.966880
6.00	-54.655894	25.609206	7.187691	21.00	61.224383	4.847828	3.038634
6.25	-55.851315	22.566877	6.148109	21.25	60.976352	8.054451	4.101574
6.50	-56.864201	19.549517	5.087944	21.50	60.539508	11.237765	5.152508
6.75	-57.689131	16.266513	4.010437	21.75	59.916604	14.388210	6.188323
7.00	-58.321166	13.027698	2.918968	22.00	59.110882	17.496448	7.205991
7.25	-58.755898	9.743341	1.817048	22.25	58.126052	20.553382	8.202573
7.50	-58.989494	6.424123	0.708311	22.50	56.966280	23.550167	9.175226
7.75	-59.018744	3.081122	-0.403491	22.75	55.636163	26.478232	10.121207
8.00	-58.841109	-0.274217	-1.514499	23.00	54.140713	29.329292	11.037874
8.25	-58.454770	-3.630118	-2.620764	23.25	52.585336	32.095358	11.922696
8.50	-57.858674	-6.974508	-3.718251	23.50	50.675815	34.768758	12.773252
8.75	-57.052580	-10.295067	-4.802867	23.75	48.718289	37.342139	13.587237
9.00	-56.037104	-13.579279	-5.870469	24.00	46.619235	39.808488	14.362465
9.25	-54.813753	-16.814493	-6.916894	24.25	44.385448	42.161136	15.096869
9.50	-53.384962	-19.987983	-7.937973	24.50	42.024021	44.393770	15.788511
9.75	-51.754121	-23.087026	-8.929561	24.75	39.542324	46.500443	16.435576
10.00	-49.925594	-26.098977	-9.887560	25.00	36.947987	48.475579	17.036380
10.25	-47.904730	-29.011347	-10.807949	25.25	34.248879	50.313982	17.589370
10.50	-45.697868	-31.811892	-11.686810	25.50	31.453086	52.010844	18.093126
10.75	-43.312326	-34.488697	-12.520357	25.75	28.568895	53.561749	18.546360
11.00	-40.756383	-37.030269	-13.304966	26.00	25.604771	54.962677	18.947921
11.25	-38.039253	-39.425617	-14.037201	26.25	22.569338	56.210009	19.296797
11.50	-35.171037	-41.664347	-14.713847	26.50	19.471363	57.300530	19.592108
11.75	-32.162678	-43.736738	-15.331929	26.75	16.319732	58.231433	19.833113
12.00	-29.025892	-45.633821	-15.888741	27.00	13.123432	59.000317	20.019211
12.25	-25.773102	-47.347447	-16.381867	27.25	9.891538	59.605192	20.149935
12.50	-22.417354	-48.870355	-16.809196	27.50	6.633188	60.044477	20.224957
12.75	-18.972231	-50.196215	-17.168944	27.75	3.357567	60.317003	20.244085
13.00	-15.451757	-51.319684	-17.459661	28.00	0.073895	60.422007	20.207264
13.25	-11.870302	-52.236426	-17.680240	28.25	-3.208598	60.359136	20.114574
13.50	-8.242481	-52.943141	-17.829925	28.50	-6.480682	60.128447	19.966229
13.75	-4.583054	-53.437569	-17.908307	28.75	-9.733145	59.730398	19.762580
14.00	-0.906827	-53.718497	-17.915327	29.00	-12.956810	59.165853	19.504107
14.25	2.771447	-53.785741	-17.851264	29.25	-16.142547	58.436079	19.191426
14.50	6.437158	-53.640127	-17.716732	29.50	-19.281290	57.542743	18.825282
14.75	10.075930	-53.283461	-17.512662	29.75	-22.364050	56.487910	18.406551
15.00	13.673696	-52.718494	-17.240294	30.00	-25.381931	55.274042	17.936239
15.25	17.216780	-51.948876	-16.901155	30.25	-28.326144	53.903997	17.415480
15.50	20.691958	-50.979105	-16.497045	30.50	-31.188016	52.381027	16.845537
15.75	24.086522	-49.814477	-16.030015	30.75	-33.959014	50.708777	16.227800

DECEMBER 1977

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-36.630748	48.891284	15.563785	17.00	58.899325	-11.116931	-2.590416
1.25	-39.194995	46.932977	14.855137	17.25	59.682329	-7.927592	-1.508978
1.50	-41.643708	44.838675	14.103625	17.50	60.265982	-4.711878	-0.422548
1.75	-43.969036	42.613592	13.311146	17.75	60.650584	-1.480539	0.665304
2.00	-46.163338	40.263329	12.479719	18.00	60.837045	1.755866	1.751079
2.25	-48.219199	37.793883	11.611492	18.25	60.826855	4.986990	2.831363
2.50	-50.129454	35.211641	10.708737	18.50	60.622057	8.202716	3.902827
2.75	-51.887204	32.523384	9.773850	18.75	60.225216	11.393172	4.962236
3.00	-53.485835	29.736284	8.809354	19.00	59.639398	14.548752	6.006451
3.25	-54.919047	26.857907	7.817893	19.25	58.868136	17.660123	7.032435
3.50	-56.180873	23.896207	6.802236	19.50	57.919415	20.718236	8.037252
3.75	-57.265711	20.859530	5.765274	19.75	56.785642	23.714340	9.018073
4.00	-58.168346	17.756605	4.710017	20.00	55.483629	26.639987	9.972180
4.25	-58.883984	14.596542	3.639594	20.25	54.014566	29.487042	10.896964
4.50	-59.408283	11.388826	2.557249	20.50	52.384007	32.247688	11.789930
4.75	-59.737389	8.143304	1.466338	20.75	50.597849	34.914434	12.648694
5.00	-59.867970	4.870177	0.370323	21.00	48.662312	37.480123	13.470994
5.25	-59.797253	1.579984	-0.727232	21.25	46.583923	39.937932	14.254682
5.50	-59.523067	-1.716418	-1.822669	21.50	44.369498	42.281386	14.997731
5.75	-59.043877	-5.007877	-2.912244	21.75	42.026128	44.504355	15.698233
6.00	-58.358830	-8.282971	-3.992138	22.00	39.561159	46.601065	16.354404
6.25	-57.467793	-11.530044	-5.058467	22.25	36.982181	48.566103	16.964582
6.50	-56.371395	-14.737240	-6.107297	22.50	34.297006	50.394418	17.527234
6.75	-55.071065	-17.892550	-7.134657	22.75	31.513658	52.081332	18.040948
7.00	-53.569068	-20.983860	-8.136558	23.00	28.640355	53.622541	18.504444
7.25	-51.868540	-23.999006	-9.109014	23.25	25.685493	55.014120	18.916570
7.50	-49.973518	-26.925839	-10.048056	23.50	22.657630	56.252530	19.276304
7.75	-47.888963	-29.752288	-10.949767	23.75	19.565471	57.334621	19.582755
8.00	-45.620778	-32.466439	-11.810294	24.00	16.417851	58.257638	19.835168
8.25	-43.175816	-35.056606	-12.625883	24.25	13.223721	59.019222	20.032919
8.50	-40.561886	-37.511422	-13.392902	24.50	9.992126	59.617417	20.175519
8.75	-37.787740	-39.819917	-14.107872	24.75	6.732192	60.050671	20.262616
9.00	-34.863058	-41.971610	-14.767495	25.00	3.453109	60.317842	20.293992
9.25	-31.798414	-43.956595	-15.368681	25.25	0.164111	60.418196	20.269570
9.50	-28.605236	-45.765629	-15.908579	25.50	-3.125539	60.351414	20.189405
9.75	-25.295753	-47.390218	-16.384602	25.75	-6.406568	60.117588	20.053694
10.00	-21.882928	-48.822692	-16.794453	26.00	-9.669711	59.717229	19.862767
10.25	-18.380383	-50.056283	-17.136148	26.25	-12.905731	59.151260	19.617095
10.50	-14.802311	-51.085186	-17.408036	26.50	-16.105432	58.421021	19.317285
10.75	-11.163385	-51.904621	-17.608815	26.75	-19.259683	57.528266	18.964078
11.00	-7.478648	-52.510872	-17.737546	27.00	-22.359432	56.475164	18.558353
11.25	-3.763411	-52.901324	-17.793662	27.25	-25.395728	55.264294	18.101122
11.50	-0.033138	-53.074481	-17.776971	27.50	-28.359736	53.898645	17.593533
11.75	3.696667	-53.029973	-17.687659	27.75	-31.242756	52.381614	17.036864
12.00	7.410572	-52.768554	-17.526282	28.00	-34.036244	50.717000	16.432524
12.25	11.093328	-52.292079	-17.293761	28.25	-36.731827	48.909000	15.782055
12.50	14.729975	-51.603477	-16.991367	28.50	-39.321321	46.962210	15.087121
12.75	18.305938	-50.706704	-16.620708	28.75	-41.796752	44.881614	14.349518
13.00	21.807124	-49.606701	-16.183709	29.00	-44.150372	42.672583	13.571160
13.25	25.220001	-48.309324	-15.682587	29.25	-46.374678	40.340868	12.754089
13.50	28.531670	-46.821283	-15.119835	29.50	-48.462428	37.892595	11.900462
13.75	31.729929	-45.150069	-14.498186	29.75	-50.406666	35.334258	11.012556
14.00	34.803322	-43.303877	-13.820599	30.00	-52.200732	32.672715	10.092762
14.25	37.741185	-41.291533	-13.090223	30.25	-53.838287	29.915179	9.143584
14.50	40.533669	-39.122409	-12.310373	30.50	-55.313332	27.069209	8.167637
14.75	43.171768	-36.806352	-11.484507	30.75	-56.620227	24.142708	7.167639
15.00	45.647325	-34.353604	-10.616196	31.00	-57.753710	21.143907	6.146418
15.25	47.953038	-31.774732	-9.709104	31.25	-58.708921	18.081363	5.106897
15.50	50.082457	-29.080560	-8.766959	31.50	-59.481422	14.963944	4.052099
15.75	52.029975	-26.282098	-7.793541	31.75	-60.067223	11.800822	2.985139
16.00	53.790807	-23.390487	-6.792651				
16.25	55.360976	-20.416944	-5.768103				
16.50	56.737289	-17.372705	-4.723700				
16.75	57.917309	-14.268984	-3.663223				

JANUARY 1978

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-60.462798	8.601456	1.909220	17.00	50.381421	34.578941	12.238201
1.25	-60.665120	5.375583	0.827630	17.25	48.485297	37.180435	13.079253
1.50	-60.671676	2.133201	-0.256265	17.50	46.443698	39.671318	13.881448
1.75	-60.480499	-1.115448	-1.339026	17.75	44.263669	42.045142	14.642748
2.00	-60.090194	-4.359895	-2.417151	18.00	41.952497	44.295836	15.361247
2.25	-59.499962	-7.589471	-3.487075	18.25	39.517698	46.417710	16.035165
2.50	-58.709633	-10.793222	-4.545187	18.50	36.966994	48.405452	16.662852
2.75	-57.719688	-13.960446	-5.587835	18.75	34.308302	50.254125	17.242785
3.00	-56.531291	-17.079716	-6.611335	19.00	31.549720	51.959171	17.773569
3.25	-55.146312	-20.139920	-7.611988	19.25	28.699513	53.516411	18.253937
3.50	-53.567361	-23.129792	-8.586087	19.50	25.766098	54.922041	18.682749
3.75	-51.797803	-26.038059	-9.529934	19.75	22.758034	56.172640	19.058991
4.00	-49.841788	-28.853488	-10.439859	20.00	19.684010	57.265165	19.381779
4.25	-47.704268	-31.564934	-11.312231	20.25	16.552827	58.196957	19.650357
4.50	-45.391013	-34.161394	-12.143480	20.50	13.373394	58.965746	19.864097
4.75	-42.908625	-36.632069	-12.930117	20.75	10.154710	59.569645	20.022501
5.00	-40.264544	-38.966430	-13.668754	21.00	6.905851	60.007164	20.125203
5.25	-37.467048	-41.154276	-14.356128	21.25	3.635958	60.277204	20.171966
5.50	-34.525246	-43.185815	-14.989122	21.50	0.354226	60.379068	20.162688
5.75	-31.449071	-45.051728	-15.564790	21.75	-2.930116	60.312460	20.097399
6.00	-28.249245	-46.743252	-16.080383	22.00	-6.207818	60.077490	19.976263
6.25	-24.937261	-48.252247	-16.533371	22.25	-9.469623	59.674678	19.799580
6.50	-21.525331	-49.571275	-16.921470	22.50	-12.706283	59.104956	19.567788
6.75	-18.026339	-50.693671	-17.242659	22.75	-15.908581	58.369673	19.281458
7.00	-14.453783	-51.613613	-17.495213	23.00	-19.067343	57.470597	18.941303
7.25	-10.821697	-52.326185	-17.677711	23.25	-22.173460	56.409916	18.548171
7.50	-7.144574	-52.827435	-17.789063	23.50	-25.217909	55.190239	18.103050
7.75	-3.437276	-53.114425	-17.828521	23.75	-28.191767	53.814600	17.607065
8.00	0.285059	-53.185272	-17.795693	24.00	-31.086238	52.286454	17.061479
8.25	4.007127	-53.039175	-17.690548	24.25	-33.892672	50.609677	16.467693
8.50	7.713555	-52.676440	-17.513426	24.50	-36.602586	48.788568	15.827244
8.75	11.389024	-52.098480	-17.265032	24.75	-39.207685	46.827841	15.141805
9.00	15.018365	-51.307810	-16.946439	25.00	-41.699889	44.732621	14.413181
9.25	18.586678	-50.308033	-16.559074	25.25	-44.071352	42.508444	13.643309
9.50	22.079433	-49.103802	-16.104710	25.50	-46.314486	40.161245	12.834256
9.75	25.482573	-47.700784	-15.585449	25.75	-48.421985	37.697353	11.988215
10.00	28.782605	-46.105600	-15.003702	26.00	-50.386848	35.123483	11.107501
10.25	31.966689	-44.325770	-14.362170	26.25	-52.202400	32.446724	10.194550
10.50	35.022708	-42.369633	-13.663814	26.50	-53.862317	29.674530	9.251912
10.75	37.939336	-40.246278	-12.911832	26.75	-55.360650	26.814705	8.282249
11.00	40.706091	-37.965456	-12.109630	27.00	-56.691844	23.875391	7.288330
11.25	43.313376	-35.537499	-11.260792	27.25	-57.850763	20.865053	6.273025
11.50	45.752512	-32.973230	-10.369053	27.50	-58.832712	17.792464	5.239298
11.75	48.015753	-30.283880	-9.438269	27.75	-59.633455	14.666685	4.190204
12.00	50.096298	-27.480999	-8.472385	28.00	-60.249240	11.497049	3.128883
12.25	51.988290	-24.576379	-7.475415	28.25	-60.676818	8.293142	2.058548
12.50	53.686805	-21.581973	-6.451409	28.50	-60.913463	5.064778	0.982485
12.75	55.187836	-18.509823	-5.404435	28.75	-60.956991	1.821983	-0.095961
13.00	56.488267	-15.371992	-4.338552	29.00	-60.805780	-1.425036	-1.173389
13.25	57.585847	-12.180501	-3.257793	29.25	-60.458785	-4.665908	-2.246352
13.50	58.479154	-8.947275	-2.166144	29.50	-59.915561	-7.890130	-3.311368
13.75	59.167560	-5.684092	-1.067532	29.75	-59.176276	-11.087089	-4.364927
14.00	59.651188	-2.402539	0.034193	30.00	-58.241728	-14.246098	-5.403498
14.25	59.930877	0.886025	1.135266	30.25	-57.113361	-17.356420	-6.423548
14.50	60.008138	4.170506	2.232023	30.50	-55.793276	-20.407304	-7.421543
14.75	59.885112	7.440094	3.320903	30.75	-54.284248	-23.388019	-8.393965
15.00	59.564532	10.684294	4.398459	31.00	-52.589736	-26.287889	-9.337324
15.25	59.049683	13.892940	5.461362	31.25	-50.713891	-29.096331	-10.248167
15.50	58.344364	17.056212	6.506406	31.50	-48.661565	-31.802898	-11.123096
15.75	57.452852	20.164648	7.530511	31.75	-46.438320	-34.397316	-11.958780
16.00	56.379867	23.209148	8.530726				
16.25	55.130542	26.180989	9.504227				
16.50	53.710392	29.071818	10.448325				
16.75	52.125287	31.873666	11.360459				

FEBRUARY 1978

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-44.050426	-36.869532	-12.751967	15.00	34.675052	49.591693	16.763233
1.25	-41.504865	-39.209759	-13.499504	15.25	31.946435	51.363179	17.320383
1.50	-38.809329	-41.408526	-14.198349	15.50	29.123967	52.984214	17.826809
1.75	-35.972208	-43.456727	-14.845591	15.75	26.216245	54.450982	18.281352
2.00	-33.002587	-45.345670	-15.438464	16.00	23.231977	55.760068	18.682983
2.25	-29.910222	-47.067137	-15.974365	16.25	20.179969	56.908453	19.030807
2.50	-26.705527	-48.613432	-16.450873	16.50	17.069112	57.893514	19.324058
2.75	-23.399543	-49.977439	-16.865766	16.75	13.908373	58.713017	19.562103
3.00	-20.003905	-51.152676	-17.217038	17.00	10.706784	59.365119	19.744434
3.25	-16.530808	-52.133347	-17.502919	17.25	7.473430	59.848366	19.870675
3.50	-12.992959	-52.914400	-17.721888	17.50	4.217441	60.161691	19.940577
3.75	-9.403523	-53.491572	-17.872690	17.75	0.947980	60.304416	19.954018
4.00	-5.776069	-53.861436	-17.954356	18.00	-2.325765	60.276255	19.911007
4.25	-2.124500	-54.021449	-17.966207	18.25	-5.594594	60.077313	19.811681
4.50	1.537017	-53.969986	-17.907876	18.50	-8.849303	59.708090	19.656307
4.75	5.194124	-53.706370	-17.779307	18.75	-12.080703	59.169486	19.445284
5.00	8.832362	-53.230901	-17.580773	19.00	-15.279623	58.462800	19.179141
5.25	12.437255	-52.544870	-17.312870	19.25	-18.436930	57.589739	18.858542
5.50	15.994396	-51.650568	-16.976529	19.50	-21.543545	56.552418	18.484283
5.75	19.489545	-50.551282	-16.573004	19.75	-24.590454	55.353366	18.057296
6.00	22.908717	-49.251290	-16.103877	20.00	-27.568727	53.995527	17.578649
6.25	26.238277	-47.755834	-15.571041	20.25	-30.469538	52.482270	17.049549
6.50	29.465028	-46.071093	-14.976698	20.50	-33.284182	50.817383	16.471338
6.75	32.576296	-44.204142	-14.323337	20.75	-36.004099	49.005083	15.845498
7.00	35.560014	-42.162903	-13.613722	21.00	-38.620890	47.050013	15.173650
7.25	38.404794	-39.956088	-12.850867	21.25	-41.126350	44.957244	14.457552
7.50	41.099992	-37.593133	-12.038021	21.50	-43.512482	42.732273	13.699102
7.75	43.635771	-35.084129	-11.178636	21.75	-45.771529	40.381023	12.900334
8.00	46.003146	-32.439745	-10.276348	22.00	-47.895999	37.909837	12.063416
8.25	48.194024	-29.671146	-9.334945	22.25	-49.878691	35.325473	11.190653
8.50	50.201234	-26.789919	-8.358344	22.50	-51.712726	32.635099	10.284478
8.75	52.018545	-23.807980	-7.350560	22.75	-53.391569	29.846281	9.347452
9.00	53.640673	-20.737502	-6.315680	23.00	-54.909066	26.966969	8.382259
9.25	55.063285	-17.590829	-5.257839	23.25	-56.259467	24.005492	7.391702
9.50	56.282986	-14.380399	-4.181189	23.50	-57.437456	20.970532	6.378697
9.75	57.297303	-11.118674	-3.089882	23.75	-58.438179	17.871115	5.346267
10.00	58.104663	-7.818068	-1.988039	24.00	-59.257271	14.716584	4.297533
10.25	58.704358	-4.490884	-0.879740	24.25	-59.890887	11.516577	3.235711
10.50	59.096516	-1.149258	0.231006	24.50	-60.335721	8.281007	2.164098
10.75	59.282057	2.194894	1.340270	24.75	-60.589035	5.020030	1.086067
11.00	59.262652	5.529923	2.444219	25.00	-60.648680	1.744016	0.005055
11.25	59.040680	8.844484	3.539130	25.25	-60.513118	-1.536478	-1.075448
11.50	58.619182	12.127575	4.621402	25.50	-60.181441	-4.810747	-2.151908
11.75	58.001816	15.368557	5.687562	25.75	-59.653386	-8.067970	-3.220759
12.00	57.192810	18.557185	6.734272	26.00	-58.929355	-11.297243	-4.278416
12.25	56.196917	21.683624	7.758337	26.25	-58.010419	-14.487626	-5.321290
12.50	55.019375	24.738460	8.756707	26.50	-56.898336	-17.628171	-6.345794
12.75	53.665865	27.712714	9.726482	26.75	-55.595555	-20.707972	-7.348365
13.00	52.142467	30.597846	10.664909	27.00	-54.105220	-23.716199	-8.325470
13.25	50.455630	33.385759	11.569389	27.25	-52.431170	-26.642146	-9.273624
13.50	48.612133	36.068800	12.437474	27.50	-50.577944	-29.475268	-10.189404
13.75	46.619053	38.639761	13.266862	27.75	-48.550770	-32.205227	-11.069461
14.00	44.483737	41.091874	14.055406	28.00	-46.355562	-34.821934	-11.910536
14.25	42.213777	43.418809	14.801100	28.25	-43.998910	-37.315594	-12.709471
14.50	39.816978	45.614667	15.502089	28.50	-41.488065	-39.676747	-13.463228
14.75	37.301344	47.673978	16.156657	28.75	-38.830925	-41.896311	-14.168900

MARCH 1978

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-36.036015	-43.965627	-14.823722	17.00	1.975780	60.171331	19.788751
1.25	-33.112466	-45.876499	-15.425091	17.25	-1.295382	60.220371	19.774171
1.50	-30.069989	-47.621236	-15.970576	17.50	-4.563163	60.096858	19.702933
1.75	-26.918845	-49.192693	-16.457928	17.75	-7.818372	59.801251	19.575277
2.00	-23.669813	-50.584309	-16.885098	18.00	-11.051849	59.334394	19.391568
2.25	-20.334161	-51.790147	-17.250248	18.25	-14.254476	58.697521	19.152300
2.50	-16.923597	-52.804929	-17.551758	18.50	-17.417182	57.892254	18.858092
2.75	-13.450235	-53.624073	-17.788243	18.75	-20.530962	56.920606	18.509692
3.00	-9.926547	-54.243723	-17.958561	19.00	-23.586878	55.784984	18.107975
3.25	-6.365314	-54.660779	-18.061820	19.25	-26.576077	54.488188	17.653948
3.50	-2.779574	-54.872928	-18.097390	19.50	-29.489804	53.033420	17.148744
3.75	0.817435	-54.878664	-18.064909	19.75	-32.319411	51.424286	16.593631
4.00	4.412329	-54.677312	-17.964288	20.00	-35.056380	49.664797	15.990006
4.25	7.991648	-54.269040	-17.795719	20.25	-37.692335	47.759376	15.339403
4.50	11.541908	-53.654874	-17.559673	20.50	-40.219062	45.712862	14.643487
4.75	15.049678	-52.836706	-17.256906	20.75	-42.628530	43.530511	13.904061
5.00	18.501641	-51.817292	-16.888459	21.00	-44.912910	41.218000	13.123064
5.25	21.884667	-50.600251	-16.455653	21.25	-47.064605	38.781429	12.302570
5.50	25.185880	-49.190055	-15.960087	21.50	-49.076270	36.227320	11.444790
5.75	28.392728	-47.592011	-15.403632	21.75	-50.940842	33.562616	10.552071
6.00	31.493055	-45.812241	-14.788422	22.00	-52.651565	30.794679	9.626894
6.25	34.475161	-43.857652	-14.116845	22.25	-54.202024	27.931286	8.671873
6.50	37.327876	-41.735903	-13.391532	22.50	-55.586178	24.980619	7.689750
6.75	40.040610	-39.455361	-12.615338	22.75	-56.798385	21.951259	6.683397
7.00	42.603423	-37.025059	-11.791335	23.00	-57.833444	18.852169	5.655805
7.25	45.007067	-34.454638	-10.922783	23.25	-58.686620	15.692683	4.610084
7.50	47.243038	-31.754298	-10.013123	23.50	-59.353688	12.482484	3.549451
7.75	49.303617	-28.934729	-9.065944	23.75	-59.830958	9.231585	2.477229
8.00	51.181902	-26.007052	-8.084975	24.00	-60.115311	5.950300	1.396834
8.25	52.871836	-22.982751	-7.074050	24.25	-60.242233	2.649218	0.311765
8.50	54.368229	-19.873611	-6.037095	24.50	-60.095842	-0.660832	-0.774404
8.75	55.666765	-16.691630	-4.978100	24.75	-59.788921	-3.968813	-1.858039
9.00	56.764015	-13.448970	-3.901097	25.00	-59.282940	-7.263523	-2.935457
9.25	57.657425	-10.157881	-2.810140	25.25	-58.578081	-10.533638	-4.002941
9.50	58.345317	-6.830634	-1.709278	25.50	-57.675257	-13.767752	-5.056756
9.75	58.826866	-3.479458	-0.602543	25.75	-56.576131	-16.954430	-6.093164
10.00	59.102080	-0.116479	0.506080	26.00	-55.283125	-20.082256	-7.108437
10.25	59.171777	3.246335	1.612663	26.25	-53.799427	-23.139887	-8.098882
10.50	59.037550	6.597229	2.713359	26.50	-52.128998	-26.116101	-9.060852
10.75	58.701732	9.924705	3.804408	26.75	-50.276568	-28.999858	-9.990766
11.00	58.167358	13.217571	4.882163	27.00	-48.247626	-31.780351	-10.885127
11.25	57.438125	16.464970	5.943090	27.25	-46.048415	-34.447061	-11.740539
11.50	56.518348	19.656423	6.983787	27.50	-43.685907	-36.989812	-12.553726
11.75	55.412919	22.781850	8.000989	27.75	-41.167788	-39.398821	-13.321547
12.00	54.127260	25.831594	8.991574	28.00	-38.502428	-41.664753	-14.041016
12.25	52.667281	28.796445	9.952574	28.25	-35.698849	-43.778769	-14.709314
12.50	51.039339	31.667646	10.881172	28.50	-32.766691	-45.732570	-15.323804
12.75	49.250192	34.436911	11.774711	28.75	-29.716172	-47.518443	-15.882051
13.00	47.306964	37.096428	12.630694	29.00	-26.558046	-49.129302	-16.381826
13.25	45.217103	39.638862	13.446783	29.25	-23.303552	-50.558726	-16.821125
13.50	42.988347	42.057362	14.220802	29.50	-19.964371	-51.800988	-17.198176
13.75	40.628688	44.345552	14.950735	29.75	-16.552568	-52.851090	-17.511448
14.00	38.146343	46.497533	15.634723	30.00	-13.080542	-53.704784	-17.759662
14.25	35.549723	48.507875	16.271065	30.25	-9.560971	-54.358597	-17.941794
14.50	32.847409	50.371616	16.858214	30.50	-6.006749	-54.809847	-18.057082
14.75	30.048122	52.084248	17.394773	30.75	-2.430934	-55.056655	-18.105029
15.00	27.160707	53.641716	17.879498	31.00	1.153312	-55.097956	-18.085407
15.25	24.194109	55.040405	18.311288	31.25	4.732783	-54.933503	-17.998255
15.50	21.157356	56.277137	18.689186	31.50	8.294290	-54.563868	-17.843882
15.75	18.059542	57.349160	19.012378	31.75	11.824716	-53.990437	-17.622865
16.00	14.909814	58.254142	19.280186				
16.25	11.717355	58.990162	19.492069				
16.50	8.491379	59.555709	19.647620				
16.75	5.241109	59.949670	19.746562				

APRIL

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DAY	X	Y	Z	DAY	X	Y	Z
1.00	15.311074	-53.215407	-17.336042	16.00	-31.323504	52.184011	16.885094
1.25	18.740566	-52.241771	-16.984514	16.25	-34.089289	50.504192	16.307809
1.50	22.100643	-51.073304	-16.569636	16.50	-36.756309	48.677295	15.683014
1.75	25.379050	-49.714547	-16.093009	16.75	-39.316463	46.707919	15.012287
2.00	28.563890	-48.170780	-15.556477	17.00	-41.761818	44.601047	14.297334
2.25	31.643668	-46.448002	-14.962115	17.25	-44.084636	42.362056	13.539985
2.50	34.607342	-44.552895	-14.312216	17.50	-46.277379	39.996713	12.742202
2.75	37.444374	-42.492798	-13.609286	17.75	-48.332740	37.511181	11.906069
3.00	40.144769	-40.275667	-12.856029	18.00	-50.243657	34.912022	11.033804
3.25	42.699118	-37.910037	-12.055333	18.25	-52.003336	32.206197	10.127753
3.50	45.098638	-35.404981	-11.210257	18.50	-53.605279	29.401069	9.190389
3.75	47.335205	-32.770065	-10.324016	18.75	-55.043308	26.504396	8.224316
4.00	49.401387	-30.015303	-9.399965	19.00	-56.311595	23.524336	7.232265
4.25	51.290468	-27.151106	-8.441583	19.25	-57.404692	20.469440	6.217093
4.50	52.996474	-24.188233	-7.452457	19.50	-58.317564	17.348642	5.181779
4.75	54.514190	-21.137737	-6.436264	19.75	-59.045622	14.171253	4.129427
5.00	55.839178	-18.010913	-5.396753	20.00	-59.584759	10.946951	3.063250
5.25	56.967779	-14.819248	-4.337728	20.25	-59.931386	7.685756	1.986577
5.50	57.897127	-11.574359	-3.263030	20.50	-60.082468	4.398021	0.902836
5.75	58.625142	-8.287946	-2.176520	20.75	-60.035566	1.094402	-0.184445
6.00	59.150531	-4.971736	-1.082060	21.00	-59.788866	-2.214170	-1.271655
6.25	59.472775	-1.637432	0.016502	21.25	-59.341221	-5.516517	-2.355109
6.50	59.592120	1.703339	1.115352	21.50	-58.692183	-8.801256	-3.431056
6.75	59.509556	5.039073	2.210720	21.75	-57.842038	-12.056837	-4.495699
7.00	59.226798	8.358438	3.298901	22.00	-56.791832	-15.271590	-5.545206
7.25	58.746261	11.650314	4.376265	22.25	-55.543403	-18.433776	-6.575731
7.50	58.071033	14.903838	5.439273	22.50	-54.099394	-21.531643	-7.583425
7.75	57.204841	18.108438	6.484485	22.75	-52.463281	-24.553479	-8.564467
8.00	56.152025	21.253869	7.508579	23.00	-50.639375	-27.487681	-9.515070
8.25	54.917495	24.330246	8.508350	23.25	-48.632831	-30.322815	-10.431516
8.50	53.506700	27.328068	9.480727	23.50	-46.449647	-33.047681	-11.310166
8.75	51.925591	30.238242	10.422779	23.75	-44.096657	-35.651385	-12.147492
9.00	50.180579	33.052106	11.331716	24.00	-41.581508	-38.123402	-12.940093
9.25	48.278502	35.761443	12.204903	24.25	-38.912647	-40.453649	-13.684717
9.50	46.226584	38.358496	13.039854	24.50	-36.099280	-42.632544	-14.378289
9.75	44.032399	40.835977	13.834246	24.75	-33.151340	-44.651075	-15.017921
10.00	41.703833	43.187075	14.585909	25.00	-30.079439	-46.500857	-15.600941
10.25	39.249051	45.405461	15.292838	25.25	-26.894816	-48.174188	-16.124904
10.50	36.676463	47.485287	15.953187	25.50	-23.609280	-49.664100	-16.587615
10.75	33.994691	49.421191	16.565270	25.75	-20.235148	-50.964404	-16.987135
11.00	31.212536	51.208292	17.127562	26.00	-16.785175	-52.069730	-17.321801
11.25	28.338956	52.842183	17.638694	26.25	-13.272482	-52.975557	-17.590231
11.50	25.383032	54.318934	18.097454	26.50	-9.710487	-53.678239	-17.791332
11.75	22.353948	55.635076	18.502785	26.75	-6.112827	-54.175024	-17.924311
12.00	19.260964	56.787605	18.853778	27.00	-2.493280	-54.464064	-17.988669
12.25	16.113400	57.773962	19.149676	27.25	1.134309	-54.544418	-17.984208
12.50	12.920612	58.592037	19.389866	27.50	4.756100	-54.416053	-17.911030
12.75	9.691976	59.240150	19.573877	27.75	8.358337	-54.079828	-17.769528
13.00	6.436874	59.717053	19.701381	28.00	11.927414	-53.537487	-17.560385
13.25	3.164675	60.021915	19.772186	28.25	15.449946	-52.791630	-17.284565
13.50	-0.115273	60.154317	19.786235	28.50	18.912829	-51.845693	-16.943305
13.75	-3.393659	60.114246	19.743602	28.75	22.303303	-50.703915	-16.538100
14.00	-6.661219	59.902087	19.644494	29.00	25.609008	-49.371304	-16.070701
14.25	-9.908746	59.518619	19.489246	29.25	28.818033	-47.853601	-15.543091
14.50	-13.127100	58.965011	19.278319	29.50	31.918967	-46.157236	-14.957479
14.75	-16.307218	58.242815	19.012301	29.75	34.900937	-44.289290	-14.316282
15.00	-19.440119	57.353966	18.691904	30.00	37.753648	-42.257445	-13.622111
15.25	-22.516922	56.300778	18.317964	30.25	40.467418	-40.069945	-12.877758
15.50	-25.528844	55.085945	17.891440	30.50	43.033205	-37.735541	-12.086176
15.75	-28.467220	53.712539	17.413414	30.75	45.442631	-35.263451	-11.250464

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DAY	X	Y	Z	DAY	X	Y	Z
1.00	47.688006	-32.663308	-10.373857	17.00	-59.130031	15.840878	4.834209
1.25	49.762342	-29.945111	-9.459701	17.25	-59.747997	12.674208	3.781352
1.50	51.659368	-27.119183	-8.511445	17.50	-60.176461	9.466278	2.716061
1.75	53.373541	-24.196115	-7.532620	17.75	-60.412096	6.226865	1.641583
2.00	54.900047	-21.186727	-6.526826	18.00	-60.452088	2.966058	0.561270
2.25	56.234811	-18.102020	-5.497718	18.25	-60.294176	-0.305754	-0.521434
2.50	57.374495	-14.953125	-4.448988	18.50	-59.936684	-3.577907	-1.602994
2.75	58.316491	-11.751268	-3.384353	18.75	-59.378559	-6.839481	-2.679795
3.00	59.058922	-8.507718	-2.307539	19.00	-58.619406	-10.079331	-3.748152
3.25	59.600631	-5.233751	-1.222268	19.25	-57.659527	-13.286123	-4.804321
3.50	59.941171	-1.940604	-0.132244	19.50	-56.499955	-16.448365	-5.844508
3.75	60.080789	1.360560	0.958856	19.75	-55.142487	-19.554459	-6.864891
4.00	60.020417	4.658694	2.047402	20.00	-53.589715	-22.592742	-7.861628
4.25	59.761648	7.942901	3.129817	20.25	-51.845054	-25.551547	-8.830882
4.50	59.306721	11.202471	4.202589	20.50	-49.912761	-28.419253	-9.768835
4.75	58.658498	14.426911	5.262285	20.75	-47.797958	-31.184359	-10.671714
5.00	57.820442	17.605980	6.305556	21.00	-45.506640	-33.835542	-11.535809
5.25	56.796589	20.729719	7.329152	21.25	-43.045679	-36.361734	-12.357501
5.50	55.591527	23.788473	8.329927	21.50	-40.422822	-38.752195	-13.133280
5.75	54.210364	26.772922	9.304848	21.75	-37.646677	-40.996589	-13.859779
6.00	52.658701	29.674101	10.251005	22.00	-34.726693	-43.085060	-14.533791
6.25	50.942603	32.483423	11.165613	22.25	-31.673126	-45.008308	-15.152300
6.50	49.068568	35.192695	12.046020	22.50	-28.497006	-46.757667	-15.712502
6.75	47.043499	37.794138	12.889715	22.75	-25.210078	-48.325173	-16.211829
7.00	44.874666	40.280399	13.694329	23.00	-21.824748	-49.703632	-16.647974
7.25	42.569685	42.644563	14.457638	23.25	-18.354016	-50.886683	-17.018905
7.50	40.136476	44.880164	15.177570	23.50	-14.811398	-51.868853	-17.322889
7.75	37.583241	46.981191	15.852204	23.75	-11.210844	-52.645604	-17.558502
8.00	34.918428	48.942097	16.479772	24.00	-7.566652	-53.213365	-17.724646
8.25	32.150706	50.757800	17.058663	24.25	-3.893372	-53.569572	-17.820553
8.50	29.288931	52.423686	17.587419	24.50	-0.205717	-53.712677	-17.845795
8.75	26.342121	53.935608	18.064738	24.75	3.481538	-53.642159	-17.800281
9.00	23.319428	55.289888	18.489473	25.00	7.153650	-53.358523	-17.684262
9.25	20.230115	56.483311	18.860629	25.25	10.796002	-52.863289	-17.498321
9.50	17.083526	57.513124	19.177365	25.50	14.394195	-52.158969	-17.243371
9.75	13.889067	58.377031	19.438989	25.75	17.934132	-51.249036	-16.920638
10.00	10.656182	59.073185	19.644959	26.00	21.402103	-50.137888	-16.531653
10.25	7.394333	59.600184	19.794876	26.25	24.784856	-48.830804	-16.078236
10.50	4.112981	59.957064	19.888490	26.50	28.069666	-47.333891	-15.562477
10.75	0.821567	60.143290	19.925687	26.75	31.244395	-45.654028	-14.986719
11.00	-2.470505	60.158752	19.906495	27.00	34.297550	-43.798810	-14.353536
11.25	-5.753882	60.003755	19.831078	27.25	37.218316	-41.776483	-13.665717
11.50	-9.019278	59.679011	19.699733	27.50	39.996606	-39.595882	-12.926237
11.75	-12.257487	59.185634	19.512889	27.75	42.623081	-37.266365	-12.138244
12.00	-15.459396	58.525133	19.271103	28.00	45.089176	-34.797752	-11.305032
12.25	-18.615995	57.699404	18.975060	28.25	47.387118	-32.200260	-10.430022
12.50	-21.718392	56.710726	18.625570	28.50	49.509930	-29.484439	-9.516742
12.75	-24.757818	55.561753	18.223566	28.75	51.451441	-26.661116	-8.568804
13.00	-27.725645	54.255514	17.770102	29.00	53.206280	-23.741337	-7.589892
13.25	-30.613388	52.795402	17.266351	29.25	54.769873	-20.736309	-6.583737
13.50	-33.412721	51.185178	16.713609	29.50	56.138433	-17.657355	-5.554103
13.75	-36.115484	49.428963	16.113286	29.75	57.308946	-14.515855	-4.504771
14.00	-38.713696	47.531240	15.466912	30.00	58.279160	-11.323211	-3.439523
14.25	-41.199502	45.496849	14.776131	30.25	59.047561	-8.090797	-2.362130
14.50	-43.565492	43.330987	14.042708	30.50	59.613358	-4.829922	-1.276334
14.75	-45.804104	41.039210	13.268521	30.75	59.976459	-1.551790	-0.185844
15.00	-47.908246	38.627431	12.455566	31.00	60.137451	1.732529	0.905683
15.25	-49.871007	36.101922	11.605954	31.25	60.097573	5.012134	1.994648
15.50	-51.685734	33.469311	10.721916	31.50	59.858695	8.276326	3.077520
15.75	-53.346047	30.736586	9.805796	31.75	59.423292	11.514628	4.150848
16.00	-54.845863	27.911094	8.860056				
16.25	-56.179415	25.000539	7.887276				
16.50	-57.341273	22.012982	6.890150				
16.75	-58.326370	18.956840	5.871486				

JUNE 1978

DAY	X	Y	Z	DAY	X	Y	Z
1.00	58.794421	14.716815	5.211265	16.00	-56.514077	-18.072407	-6.171743
1.25	57.975689	17.872933	6.255495	16.25	-55.070190	-21.097238	-7.174202
1.50	56.971236	20.973325	7.280366	16.50	-53.434970	-24.050018	-8.152284
1.75	55.785705	24.008649	8.282809	16.75	-51.611800	-26.919571	-9.102293
2.00	54.424215	26.969892	9.259867	17.00	-49.604850	-29.694745	-10.020541
2.25	52.892337	29.848390	10.208704	17.25	-47.419092	-32.364463	-10.903367
2.50	51.196069	32.635845	11.126600	17.50	-45.060328	-34.917783	-11.747155
2.75	49.341809	35.324333	12.010965	17.75	-42.535196	-37.343959	-12.548358
3.00	47.336330	37.906320	12.859339	18.00	-39.851186	-39.632510	-13.303514
3.25	45.186751	40.374671	13.669395	18.25	-37.016635	-41.773289	-14.009277
3.50	42.900520	42.722663	14.438941	18.50	-34.040722	-43.756558	-14.662436
3.75	40.485378	44.943989	15.165928	18.75	-30.933457	-45.573061	-15.259941
4.00	37.949343	47.032768	15.848445	19.00	-27.705650	-47.214107	-15.798931
4.25	35.300676	48.983554	16.484726	19.25	-24.368881	-48.671646	-16.276758
4.50	32.547867	50.791335	17.073152	19.50	-20.935454	-49.938341	-16.691014
4.75	29.699599	52.451540	17.612248	19.75	-17.418342	-51.007647	-17.039552
5.00	26.764732	53.960044	18.100687	20.00	-13.831121	-51.873876	-17.320510
5.25	23.752276	55.313168	18.537290	20.25	-10.187897	-52.532263	-17.532336
5.50	20.671367	56.507678	18.921025	20.50	-6.503216	-52.979020	-17.673798
5.75	17.531247	57.540788	19.251009	20.75	-2.791980	-53.211385	-17.744008
6.00	14.341237	58.410158	19.526506	21.00	0.930658	-53.227654	-17.742429
6.25	11.110717	59.113891	19.746925	21.25	4.649399	-53.027214	-17.668884
6.50	7.849107	59.650533	19.911823	21.50	8.348898	-52.610550	-17.523562
6.75	4.565844	60.019064	20.020900	21.75	12.013882	-51.979256	-17.307018
7.00	1.270362	60.218902	20.073998	22.00	15.629254	-51.136012	-17.020168
7.25	-2.027927	60.249889	20.071103	22.25	19.180199	-50.084574	-16.664283
7.50	-5.319649	60.112294	20.012337	22.50	22.652289	-48.829729	-16.240977
7.75	-8.595492	59.806801	19.897962	22.75	26.031574	-47.377262	-15.752190
8.00	-11.846214	59.334507	19.728374	23.00	29.304679	-45.733887	-15.200174
8.25	-15.062667	58.696913	19.504102	23.25	32.458875	-43.907197	-14.587468
8.50	-18.235808	57.895917	19.225806	23.50	35.482158	-41.905586	-13.916876
8.75	-21.356715	56.933810	18.894275	23.75	38.363301	-39.738180	-13.191442
9.00	-24.416602	55.813269	18.510425	24.00	41.091913	-37.414750	-12.414425
9.25	-27.406832	54.537347	18.075294	24.25	43.658470	-34.945639	-11.589269
9.50	-30.318929	53.109469	17.590044	24.50	46.054344	-32.341674	-10.719578
9.75	-33.144592	51.533426	17.055956	24.75	48.271839	-29.614086	-9.809089
10.00	-35.875705	49.813367	16.474429	25.00	50.304166	-26.774432	-8.861644
10.25	-38.504352	47.953795	15.846978	25.25	52.145474	-23.834514	-7.881166
10.50	-41.022829	45.959560	15.175231	25.50	53.790832	-20.806311	-6.871632
10.75	-43.423652	43.835855	14.460930	25.75	55.236212	-17.701902	-5.837054
11.00	-45.699571	41.588210	13.705925	26.00	56.478474	-14.533410	-4.781455
11.25	-47.843584	39.222488	12.912178	26.25	57.515340	-11.312936	-3.708849
11.50	-49.848947	36.744881	12.081756	26.50	58.345363	-8.052506	-2.623225
11.75	-51.709190	34.161906	11.216835	26.75	58.967899	-4.764023	-1.528527
12.00	-53.418126	31.480400	10.319695	27.00	59.383070	-1.459222	-0.428646
12.25	-54.969871	28.707518	9.392720	27.25	59.591732	1.850369	0.672601
12.50	-56.358855	25.850727	8.438396	27.50	59.595433	5.153464	1.771475
12.75	-57.579842	22.917806	7.459312	27.75	59.396384	8.439048	2.864330
13.00	-58.627944	19.916837	6.458156	28.00	58.997416	11.696407	3.947619
13.25	-59.498645	16.856206	5.437714	28.25	58.401948	14.915147	5.017904
13.50	-60.187817	13.744590	4.400872	28.50	57.613947	18.085211	6.071859
13.75	-60.691743	10.590959	3.350606	28.75	56.637901	21.196904	7.106275
14.00	-61.007142	7.404562	2.289988	29.00	55.478779	24.240897	8.118071
14.25	-61.131193	4.194922	1.222178	29.25	54.142002	27.208245	9.104290
14.50	-61.061559	0.971823	0.150421	29.50	52.633411	30.090394	10.062104
14.75	-60.796419	-2.254703	-0.921956	29.75	50.959242	32.879190	10.988820
15.00	-60.334495	-5.474391	-1.991550	30.00	49.126092	35.566884	11.881879
15.25	-59.675079	-8.676759	-3.054888	30.25	47.140894	38.146139	12.738858
15.50	-58.818071	-11.851135	-4.108434	30.50	45.010895	40.610032	13.557472
15.75	-57.764004	-14.986678	-5.148597	30.75	42.743627	42.952061	14.335575

JULY

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DAY	X	Y	Z	DAY	X	Y	Z
1.00	40.346884	45.166144	15.071160	17.00	-20.072532	-50.803924	-16.838303
1.25	37.828702	47.246624	15.762360	17.25	-16.557342	-51.750341	-17.160268
1.50	35.197335	49.188269	16.407451	17.50	-12.976053	-52.494853	-17.415476
1.75	32.461234	50.986274	17.004847	17.75	-9.342257	-53.032767	-17.602345
2.00	29.629026	52.636263	17.553106	18.00	-5.670035	-53.360278	-17.719588
2.25	26.709496	54.134286	18.050926	18.25	-1.973879	-53.474535	-17.766230
2.50	23.711566	55.476826	18.497148	18.50	1.731392	-53.373680	-17.741627
2.75	20.644274	56.660790	18.890754	18.75	5.430722	-53.056896	-17.645475
3.00	17.516759	57.683517	19.230867	19.00	9.108915	-52.524437	-17.477827
3.25	14.338239	58.542774	19.516751	19.25	12.750744	-51.777647	-17.239094
3.50	11.117994	59.236755	19.747813	19.50	16.341052	-50.818969	-16.930053
3.75	7.865348	59.764078	19.923599	19.75	19.864867	-49.651946	-16.551843
4.00	4.589650	60.123789	20.043796	20.00	23.307510	-48.281201	-16.105961
4.25	1.300257	60.315354	20.108228	20.25	26.654697	-46.712414	-15.594256
4.50	-1.993487	60.338660	20.116861	20.50	29.892653	-44.952273	-15.018911
4.75	-5.282261	60.194012	20.069796	20.75	33.008199	-43.008436	-14.382428
5.00	-8.556793	59.882129	19.967272	21.00	35.988848	-40.889454	-13.687612
5.25	-11.807874	59.404140	19.809662	21.25	38.822884	-38.604712	-12.937540
5.50	-15.026373	58.761581	19.597475	21.50	41.499435	-36.164343	-12.135541
5.75	-18.203256	57.956390	19.331351	21.75	44.008527	-33.579144	-11.285163
6.00	-21.329602	56.990903	19.012060	22.00	46.341137	-30.860489	-10.390150
6.25	-24.396621	55.867847	18.640505	22.25	48.489224	-28.020236	-9.454405
6.50	-27.395667	54.590335	18.217711	22.50	50.445755	-25.070631	-8.481964
6.75	-30.318258	53.161860	17.744832	22.75	52.204716	-22.024222	-7.476964
7.00	-33.156086	51.586290	17.223144	23.00	53.761112	-18.893765	-6.443612
7.25	-35.901037	49.867860	16.654045	23.25	55.110960	-15.692140	-5.386159
7.50	-38.545206	48.011164	16.039050	23.50	56.251267	-12.432269	-4.308873
7.75	-41.080908	46.021149	15.379791	23.75	57.180009	-9.127039	-3.216010
8.00	-43.500698	43.903108	14.678014	24.00	57.896094	-5.789237	-2.111796
8.25	-45.797380	41.662671	13.935578	24.25	58.399325	-2.431479	-1.000404
8.50	-47.964023	39.305798	13.154447	24.50	58.690360	0.93838	0.114068
8.75	-49.993979	36.838772	12.336696	24.75	58.770665	4.294594	1.227607
9.00	-51.880891	34.268188	11.484499	25.00	58.642465	7.638981	2.336305
9.25	-53.618712	31.600948	10.600134	25.25	58.308696	10.955545	3.436369
9.50	-55.201715	28.844251	9.685977	25.50	57.772961	14.233217	4.524130
9.75	-56.624511	26.005583	8.744498	25.75	57.039475	17.461333	5.596055
10.00	-57.882062	23.092713	7.778260	26.00	56.113021	20.629662	6.648750
10.25	-58.969695	20.113678	6.789916	26.25	54.998904	23.728415	7.678968
10.50	-59.883119	17.076778	5.782206	26.50	53.702907	26.748257	8.683609
10.75	-60.618439	13.990566	4.757952	26.75	52.231250	29.680322	9.659730
11.00	-61.172174	10.863836	3.720059	27.00	50.590547	32.516208	10.604537
11.25	-61.541273	7.705613	2.671508	27.25	48.787774	35.247988	11.515395
11.50	-61.723132	4.525142	1.615350	27.50	46.830229	37.868206	12.389823
11.75	-61.715616	1.331876	0.554710	27.75	44.725504	40.369876	13.225494
12.00	-61.517072	-1.864538	-0.507226	28.00	42.481452	42.746481	14.020236
12.25	-61.126355	-5.054274	-1.567211	28.25	40.106161	44.991970	14.772030
12.50	-60.542845	-8.227344	-2.621943	28.50	37.607927	47.100750	15.479007
12.75	-59.766470	-11.373616	-3.668071	28.75	34.995230	49.067685	16.139449
13.00	-58.797725	-14.482829	-4.702202	29.00	32.276713	50.888091	16.751788
13.25	-57.637700	-17.544626	-5.720911	29.25	29.461160	52.557729	17.314599
13.50	-56.288096	-20.548570	-6.720742	29.50	26.550749	54.072800	17.826606
13.75	-54.751251	-23.484174	-7.698226	29.75	23.574681	55.429942	18.286672
14.00	-53.030162	-26.340935	-8.649882	30.00	20.521865	56.626224	18.693807
14.25	-51.128505	-29.108365	-9.572237	30.25	17.408201	57.659144	19.047157
14.50	-49.050657	-31.776030	-10.461833	30.50	14.242915	58.526620	19.346011
14.75	-46.801712	-34.333593	-11.315241	30.75	11.035275	59.226992	19.589793
15.00	-44.387499	-36.770857	-12.129079	31.00	7.794574	59.759016	19.778065
15.25	-41.814596	-39.077817	-12.900026	31.25	4.530117	60.121861	19.910526
15.50	-39.090336	-41.244711	-13.624839	31.50	1.251208	60.315106	19.987005
15.75	-36.222817	-43.262079	-14.300375	31.75	-2.032866	60.338739	20.007483
16.00	-33.220897	-45.120825	-14.923607				
16.25	-30.094192	-46.812275	-15.491647				
16.50	-26.853060	-48.328250	-16.001771				
16.75	-23.508581	-49.661130	-16.451435				

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DAY	X	Y	Z	DAY	X	Y	Z
1.00	-5.312849	60.193152	19.972047	17.00	30.770459	-44.753630	-14.930466
1.25	-8.579528	59.879143	19.880937	17.25	33.803413	-42.720825	-14.276657
1.50	-11.823752	59.397908	19.734517	17.50	36.700815	-40.515354	-13.565301
1.75	-15.036442	58.751043	19.533286	17.75	39.450961	-38.146298	-12.799329
2.00	-18.208609	57.940541	19.277871	18.00	42.042897	-35.623534	-11.981939
2.25	-21.331369	56.968787	18.969030	18.25	44.466493	-32.957668	-11.116572
2.50	-24.395956	55.838556	18.607649	18.50	46.712506	-30.159954	-10.206888
2.75	-27.393743	54.553013	18.194742	18.75	48.772635	-27.242215	-9.256734
3.00	-30.316252	53.115703	17.731449	19.00	50.639559	-24.216749	-8.270125
3.25	-33.155176	51.530552	17.219036	19.25	52.306971	-21.096244	-7.251203
3.50	-35.902392	49.801862	16.658893	19.50	53.769598	-17.893683	-6.204215
3.75	-38.549980	47.934300	16.052530	19.75	55.023205	-14.622252	-5.133481
4.00	-41.090238	45.932902	15.401580	20.00	56.064595	-11.295253	-4.043361
4.25	-43.515700	43.803056	14.707791	20.25	56.891598	-7.926012	-2.938229
4.50	-45.819157	41.550503	13.973029	20.50	57.503042	-4.527804	-1.822448
4.75	-47.993667	39.181323	13.199273	20.75	57.898731	-1.113769	-0.700341
5.00	-50.032580	36.701932	12.388611	21.00	58.079398	2.303152	0.423831
5.25	-51.929547	34.119067	11.543239	21.25	58.046669	5.710288	1.545890
5.50	-53.678546	31.439780	10.665459	21.50	57.803011	9.095287	2.661762
5.75	-55.273893	28.671426	9.757671	21.75	57.351681	12.446174	3.767489
6.00	-56.710260	25.821649	8.822373	22.00	56.696671	15.751387	4.859249
6.25	-57.982693	22.898373	7.862156	22.25	55.842656	18.999815	5.933364
6.50	-59.086628	19.909789	6.879700	22.50	54.794932	22.180828	6.986310
6.75	-60.017906	16.864338	5.877769	22.75	53.559368	25.284298	8.014726
7.00	-60.772790	13.770697	4.859207	23.00	52.142349	28.300615	9.015422
7.25	-61.347981	10.637769	3.826930	23.25	50.550722	31.220703	9.985377
7.50	-61.740633	7.474660	2.783928	23.50	48.791750	34.036021	10.921747
7.75	-61.948368	4.290665	1.733251	23.75	46.873063	36.738573	11.821863
8.00	-61.969294	1.095254	0.678010	24.00	44.802613	39.320901	12.683235
8.25	-61.802013	-2.101954	-0.378634	24.25	42.588636	41.776086	13.503545
8.50	-61.445643	-5.291204	-1.433472	24.50	40.239608	44.097742	14.280653
8.75	-60.899828	-8.462627	-2.483256	24.75	37.764218	46.280006	15.012587
9.00	-60.164755	-11.606263	-3.524707	25.00	35.171329	48.317534	15.697546
9.25	-59.241165	-14.712081	-4.554520	25.25	32.469953	50.205487	16.333894
9.50	-58.130367	-17.770004	-5.569370	25.50	29.669220	51.935521	16.920157
9.75	-56.834253	-20.769936	-6.565926	25.75	26.778360	53.515777	17.455022
10.00	-55.355310	-23.701785	-7.540855	26.00	23.806677	54.930873	17.937329
10.25	-53.696631	-26.555494	-8.490833	26.25	20.763533	56.181889	18.366072
10.50	-51.861925	-29.321068	-9.412554	26.50	17.658324	57.266359	18.740393
10.75	-49.855531	-31.988610	-10.302741	26.75	14.500471	58.182261	19.059578
11.00	-47.682425	-34.548350	-11.158155	27.00	11.299402	58.928007	19.323060
11.25	-45.348227	-36.990686	-11.975612	27.25	8.064538	59.502436	19.530408
11.50	-42.859207	-39.306217	-12.751989	27.50	4.805284	59.904806	19.681330
11.75	-40.222292	-41.485789	-13.484240	27.75	1.531010	60.134786	19.775670
12.00	-37.445062	-43.520529	-14.169414	28.00	-1.748952	60.192451	19.813403
12.25	-34.535755	-45.401902	-14.804661	28.25	-5.025323	60.078276	19.794639
12.50	-31.503253	-47.121746	-15.387255	28.50	-8.288889	59.793130	19.719615
12.75	-28.357085	-48.672329	-15.914608	28.75	-11.530510	59.338277	19.588697
13.00	-25.107402	-50.046396	-16.384285	29.00	-14.741130	58.715364	19.402382
13.25	-21.764967	-51.237224	-16.794023	29.25	-17.911790	57.926428	19.161289
13.50	-18.341127	-52.238671	-17.141749	29.50	-21.033640	56.973885	18.866167
13.75	-14.847786	-53.045234	-17.425594	29.75	-24.097949	55.860532	18.517888
14.00	-11.297367	-53.652101	-17.643919	30.00	-27.096119	54.589545	18.117448
14.25	-7.702770	-54.055203	-17.795321	30.25	-30.019697	53.164474	17.665970
14.50	-4.077323	-54.251265	-17.878661	30.50	-32.860394	51.589246	17.164697
14.75	-0.434723	-54.237853	-17.893073	30.75	-35.610092	49.868156	16.614998
15.00	3.211025	-54.013424	-17.837983	31.00	-38.260864	48.005871	16.018361
15.25	6.845682	-53.577358	-17.713117	31.25	-40.804992	46.007422	15.376398
15.50	10.454851	-52.929996	-17.518521	31.50	-43.234979	43.878205	14.690837
15.75	14.024060	-52.072665	-17.254561	31.75	-45.543572	41.623972	13.963530
16.00	17.538852	-51.007699	-16.921937				
16.25	20.984876	-49.738447	-16.521682				
16.50	24.347985	-48.269274	-16.055163				
16.75	27.614330	-46.605550	-15.524082				

SEPTEMBER 1978

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-47.723774	39.250828	13.196441	16.00	54.376166	-17.052964	-5.932668
1.25	-49.768871	36.765227	12.391653	16.25	55.506227	-13.753419	-4.857003
1.50	-51.672444	34.173962	11.551359	16.50	56.425379	-10.401206	-3.762767
1.75	-53.428395	31.484157	10.677865	16.75	57.131330	-7.009463	-2.654258
2.00	-55.030960	28.703259	9.773584	17.00	57.622763	-3.591349	-1.535782
2.25	-56.474737	25.839028	8.841031	17.25	57.899328	-0.159966	-0.411635
2.50	-57.754704	22.899520	7.882824	17.50	57.961618	3.271714	0.713925
2.75	-58.866235	19.893082	6.901676	17.75	57.811139	6.690921	1.836698
3.00	-59.805127	16.828326	5.900389	18.00	57.450269	10.085149	2.952570
3.25	-60.567618	13.714124	4.881854	18.25	56.882223	13.442217	4.057524
3.50	-61.150401	10.559580	3.849040	18.50	56.111002	16.750323	5.147665
3.75	-61.550653	7.374019	2.804991	18.75	55.141343	19.998087	6.219231
4.00	-61.766043	4.166957	1.752817	19.00	53.978666	23.174598	7.268610
4.25	-61.794757	0.948090	0.695688	19.25	52.629021	26.269440	8.292349
4.50	-61.635511	-2.272742	-0.363172	19.50	51.099029	29.272726	9.287164
4.75	-61.287566	-5.485569	-1.420499	19.75	49.395831	32.175116	10.249948
5.00	-60.750743	-8.680327	-2.472990	20.00	47.527028	34.967833	11.177774
5.25	-60.025438	-11.846879	-3.517317	20.25	45.500634	37.642676	12.067905
5.50	-59.112628	-14.975045	-4.550134	20.50	43.325018	40.192022	12.917788
5.75	-58.013885	-18.054636	-5.568090	20.75	41.008863	42.608833	13.725060
6.00	-56.731385	-21.075478	-6.567833	21.00	38.561112	44.886649	14.487549
6.25	-55.267910	-24.027452	-7.546028	21.25	35.990930	47.019584	15.203266
6.50	-53.626861	-26.900519	-8.499362	21.50	33.307661	49.002318	15.870410
6.75	-51.812250	-29.684759	-9.424557	21.75	30.520795	50.830090	16.487359
7.00	-49.828715	-32.370404	-10.318381	22.00	27.639929	52.498680	17.052670
7.25	-47.681506	-34.947871	-11.177660	22.25	24.674742	54.004403	17.565074
7.50	-45.376493	-37.407803	-11.999291	22.50	21.634963	55.344091	18.023471
7.75	-42.920155	-39.741098	-12.780250	22.75	18.530348	56.515077	18.426927
8.00	-40.319577	-41.938954	-13.517607	23.00	15.370658	57.515188	18.774666
8.25	-37.582437	-43.992902	-14.208541	23.25	12.165642	58.342722	19.066071
8.50	-34.716999	-45.894843	-14.850345	23.50	8.925011	58.996442	19.300674
8.75	-31.732096	-47.637092	-15.440447	23.75	5.658433	59.475556	19.478154
9.00	-28.637113	-49.212408	-15.976416	24.00	2.375512	59.779710	19.598335
9.25	-25.441968	-50.614043	-16.455982	24.25	-0.914220	59.908972	19.661179
9.50	-22.157092	-51.835772	-16.877039	24.50	-4.201316	59.863825	19.666785
9.75	-18.793398	-52.871937	-17.237668	24.75	-7.476426	59.645152	19.615384
10.00	-15.362255	-53.717482	-17.536144	25.00	-10.730303	59.254235	19.507336
10.25	-11.875451	-54.367995	-17.770948	25.25	-13.953811	58.692739	19.343131
10.50	-8.345162	-54.819738	-17.940784	25.50	-17.137939	57.962710	19.123382
10.75	-4.783905	-55.069687	-18.044585	25.75	-20.273804	57.066571	18.848825
11.00	-1.204499	-55.115567	-18.081527	26.00	-23.352661	56.007109	18.520321
11.25	2.379991	-54.955878	-18.051043	26.25	-26.365913	54.787481	18.138849
11.50	5.956303	-54.589926	-17.952825	26.50	-29.305118	53.411203	17.705509
11.75	9.511035	-54.017851	-17.786838	26.75	-32.162001	51.882151	17.221518
12.00	13.030710	-53.240644	-17.553328	27.00	-34.928463	50.204558	16.688214
12.25	16.501839	-52.260166	-17.252825	27.25	-37.596593	48.383012	16.107050
12.50	19.910989	-51.079162	-16.886149	27.50	-40.158680	46.422454	15.479598
12.75	23.244858	-49.701263	-16.454410	27.75	-42.607225	44.328176	14.807545
13.00	26.490343	-48.130989	-15.959013	28.00	-44.934957	42.105822	14.092696
13.25	29.634621	-46.373743	-15.401654	28.25	-47.134850	39.761382	13.336969
13.50	32.665224	-44.435795	-14.784314	28.50	-49.200134	37.301193	12.542401
13.75	35.570116	-42.324261	-14.109255	28.75	-51.124318	34.731931	11.711140
14.00	38.337765	-40.047077	-13.379011	29.00	-52.901209	32.060615	10.845447
14.25	40.957222	-37.612961	-12.596375	29.25	-54.524928	29.294593	9.947696
14.50	43.418187	-35.031367	-11.764388	29.50	-55.989934	26.441543	9.020369
14.75	45.711075	-32.312437	-10.886317	29.75	-57.291045	23.509459	8.066056
15.00	47.827081	-29.466941	-9.965642	30.00	-58.423463	20.506647	7.087450
15.25	49.758229	-26.506215	-9.006034	30.25	-59.382792	17.441710	6.087347
15.50	51.497420	-23.442086	-8.011329	30.50	-60.165069	14.323538	5.068636
15.75	53.038477	-20.286805	-6.985507	30.75	-60.766781	11.161291	4.034302

OCTOBER 1978

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-61.184896	7.964379	2.987411	17.00	50.459662	30.420154	9.700084
1.25	-61.416881	4.742448	1.931114	17.25	48.644351	33.265855	10.648873
1.50	-61.460727	1.505353	0.868631	17.50	46.666833	35.999775	11.562012
1.75	-61.314976	-1.736862	-0.196752	17.75	44.535170	38.613696	12.436743
2.00	-60.978735	-4.973996	-1.261692	18.00	42.257821	41.099967	13.270490
2.25	-60.451703	-8.195717	-2.322800	18.25	39.843593	43.451512	14.060865
2.50	-59.734185	-11.391595	-3.376650	18.50	37.301593	45.661836	14.805667
2.75	-58.827110	-14.551135	-4.419791	18.75	34.641186	47.725028	15.502888
3.00	-57.732046	-17.663811	-5.448760	19.00	31.871941	49.635760	16.150704
3.25	-56.451211	-20.719108	-6.460088	19.25	29.003601	51.389278	16.747484
3.50	-54.987483	-23.705660	-7.450322	19.50	26.046037	52.981401	17.291781
3.75	-53.344403	-26.615787	-8.416031	19.75	23.009213	54.408505	17.782333
4.00	-51.526180	-29.436544	-9.353823	20.00	19.903154	55.667518	18.218054
4.25	-49.537693	-32.158758	-10.260359	20.25	16.737911	56.755900	18.598037
4.50	-47.384482	-34.772574	-11.132368	20.50	13.523537	57.671633	18.921544
4.75	-45.072741	-37.268398	-11.966658	20.75	10.270062	58.413208	19.188005
5.00	-42.609311	-39.636944	-12.760134	21.00	6.987463	58.979605	19.397011
5.25	-40.001663	-41.869274	-13.509813	21.25	3.685653	59.370280	19.548310
5.50	-37.257879	-43.956839	-14.212835	21.50	0.374455	59.585150	19.641800
5.75	-34.386627	-45.891529	-14.866477	21.75	-2.936410	59.624577	19.677528
6.00	-31.397145	-47.665704	-15.468170	22.00	-6.237335	59.489354	19.655683
6.25	-28.299203	-49.272240	-16.015509	22.25	-9.518847	59.180693	19.576592
6.50	-25.103074	-50.704566	-16.506268	22.50	-12.771610	58.700209	19.440716
6.75	-21.819501	-51.956695	-16.938409	22.75	-15.986442	58.049908	19.248643
7.00	-18.459660	-53.023263	-17.310094	23.00	-19.154318	57.232180	19.001092
7.25	-15.035115	-53.899555	-17.619700	23.25	-22.266380	56.249785	18.698902
7.50	-11.557779	-54.581537	-17.865820	23.50	-25.313948	55.105846	18.343035
7.75	-8.039868	-55.065882	-18.047280	23.75	-28.288521	53.803840	17.934568
8.00	-4.493852	-55.349991	-18.163141	24.00	-31.181789	52.347592	17.474697
8.25	-0.932408	-55.432013	-18.212711	24.25	-33.985639	50.741269	16.964728
8.50	2.631633	-55.310865	-18.195548	24.50	-36.692160	48.989376	16.406083
8.75	6.185339	-54.986241	-18.111463	24.75	-39.293654	47.096750	15.800294
9.00	9.715728	-54.458626	-17.960528	25.00	-41.782645	45.068557	15.149001
9.25	13.209827	-53.729303	-17.743076	25.25	-44.151885	42.910292	14.453958
9.50	16.654728	-52.800352	-17.459704	25.50	-46.394367	40.627773	13.717023
9.75	20.037643	-51.674657	-17.111271	25.75	-48.503334	38.227141	12.940165
10.00	23.345962	-50.355893	-16.698900	26.00	-50.472295	35.714858	12.125460
10.25	26.567316	-48.848523	-16.223973	26.25	-52.295036	33.097705	11.275092
10.50	29.689627	-47.157786	-15.688127	26.50	-53.965636	30.382780	10.391351
10.75	32.701172	-45.289677	-15.093254	26.75	-55.478486	27.577495	9.476633
11.00	35.590636	-43.250928	-14.441486	27.00	-56.828302	24.689573	8.533439
11.25	38.347171	-41.048980	-13.735197	27.25	-58.010149	21.727046	7.564376
11.50	40.960448	-38.691959	-12.976982	27.50	-59.019460	18.698245	6.572152
11.75	43.420710	-36.188634	-12.169658	27.75	-59.852061	15.611797	5.559576
12.00	45.718824	-33.548384	-11.316243	28.00	-60.504190	12.476615	4.529553
12.25	47.846324	-30.781153	-10.419947	28.25	-60.972527	9.301887	3.485086
12.50	49.795458	-27.897402	-9.484153	28.50	-61.254216	6.097065	2.429266
12.75	51.559225	-24.908060	-8.512405	28.75	-61.346891	2.871848	1.365269
13.00	53.131412	-21.824469	-7.508386	29.00	-61.248710	-0.363835	0.296356
13.25	54.506625	-18.658328	-6.475902	29.25	-60.958371	-3.599849	-0.774145
13.50	55.680310	-15.421629	-5.418865	29.50	-60.475150	-6.825870	-1.842835
13.75	56.648775	-12.126600	-4.341266	29.75	-59.798918	-10.031421	-2.906260
14.00	57.409207	-8.785636	-3.247160	30.00	-58.930173	-13.205895	-3.960921
14.25	57.959670	-5.411242	-2.140641	30.25	-57.870060	-16.338596	-5.003279
14.50	58.299116	-2.015959	-1.025824	30.50	-56.620395	-19.418772	-6.029775
14.75	58.427370	1.387693	0.093177	30.75	-55.183682	-22.435654	-7.036837
15.00	58.345129	4.787283	1.212273	31.00	-53.563132	-25.378508	-8.020896
15.25	58.053933	8.170523	2.327415	31.25	-51.762673	-28.236672	-8.978406
15.50	57.556151	11.525337	3.434616	31.50	-49.786960	-30.999612	-9.905852
15.75	56.854949	14.839909	4.529972	31.75	-47.641381	-33.656973	-10.799774
16.00	55.954255	18.102738	5.609675				
16.25	54.858724	21.302683	6.670031				
16.50	53.573695	24.429012	7.707474				
16.75	52.105150	27.471439	8.718582				

NOVEMBER 1978

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-45.332051	-36.198628	-11.656781	16.00	24.381954	53.815469	17.685586
1.25	-42.865812	-38.614739	-12.473572	16.25	21.282975	55.125431	18.148214
1.50	-40.250218	-40.895808	-13.246949	16.50	18.120243	56.267533	18.555838
1.75	-37.493520	-43.032732	-13.973841	16.75	14.903871	57.239403	18.907576
2.00	-34.604642	-45.016863	-14.651321	17.00	11.643991	58.039195	19.202722
2.25	-31.593152	-46.840055	-15.276621	17.25	8.350722	58.665581	19.440738
2.50	-28.469227	-48.494718	-15.847154	17.50	5.034146	59.117734	19.621255
2.75	-25.243618	-49.973871	-16.360524	17.75	1.704278	59.395321	19.744065
3.00	-21.927598	-51.271182	-16.814550	18.00	-1.628952	59.498484	19.809118
3.25	-18.532917	-52.381013	-17.207273	18.25	-4.955722	59.427827	19.816516
3.50	-15.071748	-53.298455	-17.536970	18.50	-8.266335	59.184404	19.766514
3.75	-11.556627	-54.019367	-17.802172	18.75	-11.551241	58.769699	19.659506
4.00	-8.000396	-54.540398	-18.001663	19.00	-14.801046	58.185617	19.496031
4.25	-4.416135	-54.859011	-18.134498	19.25	-18.006530	57.434466	19.276757
4.50	-0.817101	-54.973501	-18.200002	19.50	-21.158656	56.518944	19.002487
4.75	2.783339	-54.883008	-18.197779	19.75	-24.248584	55.442128	18.674150
5.00	6.371776	-54.587517	-18.127713	20.00	-27.267680	54.207460	18.292795
5.25	9.934824	-54.087867	-17.989966	20.25	-30.207523	52.818733	17.859591
5.50	13.459185	-53.385737	-17.784982	20.50	-33.059915	51.280084	17.375822
5.75	16.931715	-52.483642	-17.513479	20.75	-35.816887	49.595984	16.842885
6.00	20.339489	-51.384917	-17.176450	21.00	-38.470707	47.771225	16.262285
6.25	23.669853	-50.093695	-16.775151	21.25	-41.013889	45.810917	15.635634
6.50	26.910494	-48.614884	-16.311098	21.50	-43.439196	43.720477	14.964648
6.75	30.049483	-46.954140	-15.786059	21.75	-45.739648	41.505624	14.251146
7.00	33.075338	-45.117836	-15.202038	22.00	-47.908534	39.172374	13.497047
7.25	35.977064	-43.113026	-14.561272	22.25	-49.939415	36.727035	12.704370
7.50	38.744203	-40.947409	-13.866214	22.50	-51.826133	34.176200	11.875232
7.75	41.366875	-38.629287	-13.119521	22.75	-53.562824	31.526749	11.011847
8.00	43.835816	-36.167526	-12.324040	23.00	-55.143926	28.785839	10.116523
8.25	46.142413	-33.571510	-11.482798	23.25	-56.564193	25.960906	9.191665
8.50	48.278732	-30.851094	-10.598980	23.50	-57.818704	23.059658	8.239771
8.75	50.237551	-28.016560	-9.675920	23.75	-58.902881	20.090074	7.263434
9.00	52.012376	-25.078567	-8.717083	24.00	-59.812506	17.060399	6.265337
9.25	53.597467	-22.048102	-7.726047	24.25	-60.543734	13.979140	5.248255
9.50	54.987851	-18.936430	-6.706491	24.50	-61.093114	10.855059	4.215052
9.75	56.179335	-15.755044	-5.662175	24.75	-61.457612	7.697168	3.168681
10.00	57.168514	-12.515615	-4.596924	25.00	-61.634630	4.514721	2.112177
10.25	57.952776	-9.229942	-3.514614	25.25	-61.622029	1.317204	1.048659
10.50	58.530304	-5.909898	-2.419151	25.50	-61.418157	-1.885679	-0.018674
10.75	58.900075	-2.567385	-1.314459	25.75	-61.021870	-5.084020	-1.086553
11.00	59.061848	0.785720	-0.204459	26.00	-60.432565	-8.267721	-2.151638
11.25	59.016162	4.137610	0.906942	26.25	-59.650201	-11.426519	-3.210527
11.50	58.764319	7.476598	2.015871	26.50	-58.675332	-14.550005	-4.259763
11.75	58.308367	10.791162	3.118502	26.75	-57.509132	-17.627655	-5.295844
12.00	57.651080	14.069990	4.211072	27.00	-56.153421	-20.648859	-6.315232
12.25	56.795939	17.302019	5.289895	27.25	-54.610693	-23.602959	-7.314363
12.50	55.747101	20.476483	6.351375	27.50	-52.884140	-26.479281	-8.289663
12.75	54.509373	23.582944	7.392019	27.75	-50.977671	-29.267187	-9.237558
13.00	53.088179	26.611331	8.408449	28.00	-48.895935	-31.956119	-10.154494
13.25	51.489529	29.551974	9.397416	28.25	-46.644334	-34.535647	-11.036949
13.50	49.719979	32.395629	10.355803	28.50	-44.229031	-36.995530	-11.881456
13.75	47.786599	35.133510	11.280643	28.75	-41.565958	-39.325772	-12.684618
14.00	45.696929	37.757310	12.169121	29.00	-38.935816	-41.516680	-13.443132
14.25	43.458942	40.259224	13.018584	29.25	-36.074065	-43.558933	-14.153807
14.50	41.081004	42.631961	13.826545	29.50	-33.080911	-45.443645	-14.813590
14.75	38.571831	44.868764	14.590689	29.75	-29.966285	-47.162426	-15.419582
15.00	35.940448	46.963416	15.308877	30.00	-26.740810	-48.707455	-15.969064
15.25	33.196153	48.910248	15.979150	30.25	-23.415769	-50.071536	-16.459520
15.50	30.348469	50.704148	16.599727	30.50	-20.003052	-51.248165	-16.888652
15.75	27.407113	52.340557	17.169012	30.75	-16.515109	-52.231583	-17.254406

DECEMBER 1978

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-12.964882	-53.016832	-17.554985	17.00	-23.509205	55.731723	18.974513
1.25	-9.365747	-53.599802	-17.788872	17.25	-26.560134	54.530191	18.615805
1.50	-5.731428	-53.977267	-17.954836	17.50	-29.534817	53.175625	18.205119
1.75	-2.075930	-54.146926	-18.051950	17.75	-32.424952	51.672146	17.743709
2.00	1.586554	-54.107421	-18.079599	18.00	-35.222480	50.024221	17.232944
2.25	5.241719	-53.858357	-18.037485	18.25	-37.919592	48.236652	16.674307
2.50	8.875246	-53.400310	-17.925633	18.50	-40.508745	46.314558	16.069391
2.75	12.472879	-52.734824	-17.744389	18.75	-42.982665	44.263372	15.419896
3.00	16.020518	-51.864403	-17.494420	19.00	-45.334361	42.088820	14.727623
3.25	19.504304	-50.792490	-17.176706	19.25	-47.557128	39.796921	13.994472
3.50	22.910696	-49.523443	-16.792536	19.50	-49.644557	37.393969	13.222441
3.75	26.226552	-48.062500	-16.343495	19.75	-51.590544	34.886528	12.413619
4.00	29.439194	-46.415739	-15.831451	20.00	-53.389296	32.281423	11.570187
4.25	32.536486	-44.590029	-15.258542	20.25	-55.035337	29.585731	10.694415
4.50	35.506880	-42.592983	-14.627160	20.50	-56.523522	26.806774	9.788657
4.75	38.339478	-40.432901	-13.939932	20.75	-57.849039	23.952112	8.855350
5.00	41.024074	-38.118708	-13.199699	21.00	-59.007423	21.029536	7.897015
5.25	43.551196	-35.659899	-12.409503	21.25	-59.994565	18.047061	6.916251
5.50	45.912131	-33.066475	-11.572560	21.50	-60.806720	15.012921	5.915735
5.75	48.098960	-30.348879	-10.692243	21.75	-61.440525	11.935560	4.898218
6.00	50.104568	-27.517937	-9.772060	22.00	-61.893003	8.823630	3.866529
6.25	51.922663	-24.584793	-8.815637	22.25	-62.161587	5.685977	2.823565
6.50	53.547779	-21.560850	-7.826695	22.50	-62.244128	2.531641	1.772293
6.75	54.975281	-18.457715	-6.809029	22.75	-62.138916	-0.630161	0.715749
7.00	56.201360	-15.287136	-5.766497	23.00	-61.844694	-3.790035	-0.342970
7.25	57.223029	-12.060956	-4.702991	23.25	-61.360684	-6.938430	-1.400703
7.50	58.038111	-8.791052	-3.622431	23.50	-60.686599	-10.065646	-2.454234
7.75	58.645223	-5.489295	-2.528738	23.75	-59.822671	-13.161849	-3.500296
8.00	59.043765	-2.167497	-1.425830	24.00	-58.769670	-16.217092	-4.535572
8.25	59.233894	1.162628	-0.317594	24.25	-57.528929	-19.221326	-5.556706
8.50	59.216511	4.489510	0.792115	24.50	-56.102368	-22.164434	-6.560308
8.75	58.993230	7.801756	1.899497	24.75	-54.492518	-25.036247	-7.542962
9.00	58.566360	11.088191	3.000812	25.00	-52.702543	-27.826580	-8.501235
9.25	57.938875	14.337889	4.092398	25.25	-50.736266	-30.525261	-9.431689
9.50	57.114389	17.540205	5.170674	25.50	-48.598190	-33.122169	-10.330892
9.75	56.097128	20.684802	6.232158	25.75	-46.293515	-35.607278	-11.195432
10.00	54.891901	23.761684	7.273471	26.00	-43.828162	-37.970700	-12.021931
10.25	53.504071	26.761212	8.291345	26.25	-41.208782	-40.202735	-12.807061
10.50	51.939523	29.674136	9.282637	26.50	-38.442769	-42.293926	-13.547566
10.75	50.249637	32.491609	10.244329	26.75	-35.538263	-44.235115	-14.240272
11.00	48.306254	35.205210	11.173539	27.00	-32.504156	-46.017508	-14.882117
11.25	46.251645	37.806957	12.067527	27.25	-29.350078	-47.632735	-15.470169
11.50	44.048480	40.289329	12.923696	27.50	-26.086386	-49.072921	-16.001646
11.75	41.704798	42.645270	13.739604	27.75	-22.724142	-50.330749	-16.473941
12.00	39.228969	44.868212	14.512962	28.00	-19.275085	-51.399536	-16.884645
12.25	36.629668	46.952074	15.241642	28.25	-15.751587	-52.273294	-17.231575
12.50	33.915840	48.891277	15.923674	28.50	-12.166605	-52.946799	-17.512786
12.75	31.096668	50.680746	16.557257	28.75	-8.533625	-53.415657	-17.726604
13.00	28.181543	52.315919	17.140755	29.00	-4.866592	-53.676356	-17.871639
13.25	25.180029	53.792746	17.672698	29.25	-1.179833	-53.726324	-17.946809
13.50	22.101837	55.107690	18.151786	29.50	2.512025	-53.563970	-17.951352
13.75	18.956789	56.257729	18.576888	29.75	6.194146	-53.188723	-17.884840
14.00	15.754792	57.240354	18.947039	30.00	9.851586	-52.601054	-17.747193
14.25	12.505808	58.053562	19.261445	30.25	13.469391	-51.802499	-17.538681
14.50	9.219826	58.695852	19.519474	30.50	17.032702	-50.795655	-17.259933
14.75	5.906834	59.166222	19.720661	30.75	20.526857	-49.584180	-16.911928
15.00	2.576795	59.464158	19.864703	31.00	23.937499	-48.172768	-16.495999
15.25	-0.760382	59.589624	19.951455	31.25	27.250674	-46.567124	-16.013818
15.50	-4.094862	59.543056	19.980931	31.50	30.452928	-44.773917	-15.467389
15.75	-7.416907	59.325350	19.953295	31.75	33.531396	-42.800734	-14.859025
16.00	-10.716899	58.937847	19.868863				
16.25	-13.985358	58.382328	19.728096				
16.50	-17.212962	57.660992	19.531599				
16.75	-20.390564	56.776454	19.280113				

JANUARY 1979

DAY	X	Y	Z	DAY	X	Y	Z
1.00	36.473884	-40.656016	-14.191341	17.00	-57.944044	24.254482	9.200555
1.25	39.268943	-38.348992	-13.467218	17.25	-59.149270	21.344175	8.254643
1.50	41.905936	-35.889600	-12.689791	17.50	-60.186347	18.374996	7.286066
1.75	44.375083	-33.288416	-11.862420	17.75	-61.051673	15.355159	6.297481
2.00	46.667514	-30.556563	-10.988659	18.00	-61.742037	12.293058	5.291610
2.25	48.775291	-27.705635	-10.072234	18.25	-62.254627	9.197256	4.271236
2.50	50.691439	-24.747605	-9.117013	18.50	-62.587044	6.076473	3.239207
2.75	52.409951	-21.694746	-8.126982	18.75	-62.737308	2.939576	2.198420
3.00	53.925794	-18.559552	-7.106209	19.00	-62.703872	-0.204433	1.151831
3.25	55.234900	-15.354652	-6.058829	19.25	-62.485626	-3.346432	0.102441
3.50	56.334158	-12.092745	-4.989012	19.50	-62.081918	-6.477185	-0.946703
3.75	57.221386	-8.786526	-3.900941	19.75	-61.492557	-9.587359	-1.992514
4.00	57.895311	-5.448623	-2.798795	20.00	-60.717832	-12.667540	-3.031866
4.25	58.355536	-2.091535	-1.686720	20.25	-59.758523	-15.708240	-4.061602
4.50	58.602507	1.272416	-0.568819	20.50	-58.615915	-18.699922	-5.078539
4.75	58.637473	4.631137	0.550870	20.75	-57.291815	-21.633011	-6.079470
5.00	58.462451	7.972808	1.668385	21.00	-55.788563	-24.497916	-7.061175
5.25	58.080182	11.285914	2.779856	21.25	-54.109053	-27.285049	-8.020421
5.50	57.494092	14.559285	3.881514	21.50	-52.256746	-29.984850	-8.953977
5.75	56.708250	17.782119	4.969705	21.75	-50.235685	-32.587813	-9.858616
6.00	55.727327	20.944009	6.040893	22.00	-48.050513	-35.084512	-10.731127
6.25	54.556554	24.034963	7.091675	22.25	-45.706487	-37.465635	-11.568323
6.50	53.201688	27.045421	8.118778	22.50	-43.209491	-39.722014	-12.367057
6.75	51.668968	29.966270	9.119073	22.75	-40.566051	-41.844668	-13.124226
7.00	49.965078	32.788854	10.089574	23.00	-37.783343	-43.824842	-13.836792
7.25	48.097115	35.504987	11.027444	23.25	-34.869203	-45.654047	-14.501792
7.50	46.072553	38.106954	11.929998	23.50	-31.832129	-47.324115	-15.116356
7.75	43.899210	40.587523	12.794703	23.75	-28.681284	-48.827245	-15.677722
8.00	41.585214	42.939947	13.619184	24.00	-25.426491	-50.156062	-16.183256
8.25	39.138978	45.157965	14.401220	24.25	-22.078223	-51.303668	-16.630471
8.50	36.569164	47.235805	15.138750	24.50	-18.647588	-52.263708	-17.017044
8.75	33.884661	49.168186	15.829872	24.75	-15.146306	-53.030424	-17.340841
9.00	31.094553	50.950317	16.472841	25.00	-11.586678	-53.598724	-17.599934
9.25	28.208096	52.577896	17.066073	25.25	-7.981548	-53.964241	-17.792628
9.50	25.234689	54.047107	17.608143	25.50	-4.344258	-54.123390	-17.917474
9.75	22.183857	55.354624	18.097785	25.75	-0.688586	-54.073433	-17.973295
10.00	19.065217	56.497600	18.533891	26.00	2.971312	-53.812531	-17.959206
10.25	15.888461	57.473672	18.915510	26.25	6.620982	-53.339791	-17.874626
10.50	12.663332	58.280952	19.241850	26.50	10.245750	-52.655315	-17.719310
10.75	9.399601	58.918023	19.512273	26.75	13.830816	-51.760228	-17.493333
11.00	6.107045	59.383940	19.726298	27.00	17.361346	-50.656713	-17.197131
11.25	2.795428	59.678216	19.883595	27.25	20.822581	-49.348020	-16.831490
11.50	-0.525524	59.800825	19.983986	27.50	24.199937	-47.838473	-16.397559
11.75	-3.846140	59.752190	20.027446	27.75	27.479116	-46.133460	-15.896843
12.00	-7.156826	59.533177	20.014094	28.00	30.646214	-44.239418	-15.331201
12.25	-10.448084	59.145090	19.944198	28.25	33.687829	-42.163794	-14.702838
12.50	-13.710530	58.589660	19.818169	28.50	36.591160	-39.915002	-14.014292
12.75	-16.934914	57.869039	19.636559	28.75	39.344109	-37.502368	-13.268415
13.00	-20.112139	56.985790	19.400057	29.00	41.935364	-34.936058	-12.468355
13.25	-23.233275	55.942875	19.109491	29.25	44.354483	-32.227003	-11.617528
13.50	-26.289581	54.743649	18.765817	29.50	46.591961	-29.386813	-10.719595
13.75	-29.272514	53.391847	18.370124	29.75	48.639286	-26.427685	-9.778430
14.00	-32.173753	51.891573	17.923626	30.00	50.488983	-23.362304	-8.798090
14.25	-34.985206	50.247289	17.427658	30.25	52.134647	-20.203751	-7.782784
14.50	-37.699031	48.463805	16.883675	30.50	53.570960	-16.965394	-6.736837
14.75	-40.307646	46.546263	16.293248	30.75	54.793696	-13.660798	-5.664661
15.00	-42.803740	44.500131	15.658057	31.00	55.799715	-10.303623	-4.570720
15.25	-45.180290	42.331184	14.979892	31.25	56.586948	-6.907540	-3.459502
15.50	-47.430570	40.045497	14.260646	31.50	57.154368	-3.486135	-2.335491
15.75	-49.548162	37.649430	13.502311	31.75	57.501956	-0.052838	-1.203135
16.00	-51.526967	35.149617	12.706976				
16.25	-53.361214	32.552954	11.876822				
16.50	-55.045473	29.866585	11.014118				
16.75	-56.574658	27.097892	10.121217				

FEBRUARY 1979

DAY	X	Y	Z	DAY	X	Y	Z
1.00	57.630659	3.379151	-0.066825	15.00	-62.867252	2.868709	2.308938
1.25	57.542340	6.796932	1.069126	15.25	-62.862702	-0.286174	1.264856
1.50	57.239730	10.187954	2.200508	15.50	-62.675963	-3.438662	0.217731
1.75	56.726370	13.540074	3.323227	15.75	-62.306580	-6.579510	-0.829391
2.00	56.006550	16.841589	4.433322	16.00	-61.754575	-9.699408	-1.873436
2.25	55.085260	20.081278	5.526977	16.25	-61.020453	-12.789005	-2.911304
2.50	53.968123	23.248427	6.600532	16.50	-60.105214	-15.838923	-3.939876
2.75	52.661348	26.332850	7.650491	16.75	-59.010354	-18.839776	-4.956022
3.00	51.171663	29.324907	8.673527	17.00	-57.737879	-21.782193	-5.956605
3.25	49.506274	32.215514	9.666490	17.25	-56.290310	-24.656838	-6.938487
3.50	47.672806	34.996147	10.626405	17.50	-54.670686	-27.454428	-7.898539
3.75	45.679258	37.658851	11.550480	17.75	-52.882578	-30.165757	-8.833646
4.00	43.533959	40.196233	12.436101	18.00	-50.930089	-32.781722	-9.740715
4.25	41.245525	42.601463	13.280835	18.25	-48.817863	-35.293343	-10.616683
4.50	38.822820	44.868266	14.082429	18.50	-46.551093	-37.691793	-11.458524
4.75	36.274920	46.990921	14.838808	18.75	-44.135518	-39.968422	-12.263260
5.00	33.611080	48.964244	15.548072	19.00	-41.577435	-42.114788	-13.027972
5.25	30.840703	50.783586	16.208495	19.25	-38.883701	-44.122686	-13.749803
5.50	27.973312	52.444820	16.818520	19.50	-36.061729	-45.984183	-14.425978
5.75	25.018524	53.944334	17.376760	19.75	-33.119493	-47.691650	-15.053808
6.00	21.986026	55.279017	17.881991	20.00	-30.065526	-49.237800	-15.630705
6.25	18.885551	56.446252	18.333154	20.25	-26.908913	-50.615724	-16.154195
6.50	15.726861	57.443904	18.729345	20.50	-23.659287	-51.818934	-16.621932
6.75	12.519725	58.270313	19.069820	20.75	-20.326816	-52.841405	-17.031708
7.00	9.273902	58.924280	19.353986	21.00	-16.922189	-53.677618	-17.381474
7.25	5.999124	59.405063	19.581402	21.25	-13.456602	-54.322603	-17.669352
7.50	2.705077	59.712366	19.751775	21.50	-9.941728	-54.771991	-17.893649
7.75	-0.598609	59.846332	19.864958	21.75	-6.389694	-55.022056	-18.052876
8.00	-3.902379	59.807530	19.920947	22.00	-2.813044	-55.069766	-18.145764
8.25	-7.196769	59.596955	19.919880	22.25	0.775299	-54.912827	-18.171282
8.50	-10.472417	59.216016	19.862033	22.50	4.362082	-54.549730	-18.128646
8.75	-13.720079	58.666528	19.747820	22.75	7.933775	-53.979795	-18.017344
9.00	-16.930642	57.950708	19.577788	23.00	11.476631	-53.203209	-17.837143
9.25	-20.095141	57.071165	19.352619	23.25	14.976755	-52.221063	-17.588107
9.50	-23.204769	56.030894	19.073124	23.50	18.420177	-51.035386	-17.270608
9.75	-26.250896	54.833270	18.740242	23.75	21.792929	-49.649163	-16.885331
10.00	-29.225078	53.482037	18.355040	24.00	25.081138	-48.066361	-16.433289
10.25	-32.119076	51.981304	17.918708	24.25	28.271111	-46.291928	-15.915824
10.50	-34.924866	50.335534	17.432558	24.50	31.349429	-44.331800	-15.334609
10.75	-37.634657	48.549538	16.898020	24.75	34.303047	-42.192885	-14.691644
11.00	-40.240903	46.628463	16.316641	25.00	37.119388	-39.883045	-13.989257
11.25	-42.736319	44.577788	15.690082	25.25	39.786438	-37.411060	-13.230089
11.50	-45.113891	42.403309	15.020116	25.50	42.292843	-34.786588	-12.417086
11.75	-47.366897	40.111130	14.308622	25.75	44.627997	-32.020103	-11.553481
12.00	-49.488913	37.707655	13.557584	26.00	46.782120	-29.122842	-10.642772
12.25	-51.473833	35.199573	12.769086	26.25	48.746339	-26.106716	-9.688705
12.50	-53.315880	32.593848	11.945312	26.50	50.512751	-22.984239	-8.695241
12.75	-55.009616	29.897708	11.088536	26.75	52.074476	-19.768431	-7.666533
13.00	-56.549960	27.118628	10.201125	27.00	53.425702	-16.472726	-6.606893
13.25	-57.932198	24.264322	9.285529	27.25	54.561712	-13.110872	-5.520759
13.50	-59.151994	21.342724	8.344280	27.50	55.478909	-9.696833	-4.412666
13.75	-60.205403	18.361978	7.379988	27.75	56.174812	-6.244681	-3.287207
14.00	-61.088881	15.330420	6.395332	28.00	56.648057	-2.768510	-2.149009
14.25	-61.799296	12.256565	5.393060	28.25	56.898370	0.717671	-1.002691
14.50	-62.333940	9.149090	4.375984	28.50	56.926545	4.200022	0.147160
14.75	-62.690537	6.016820	3.346970	28.75	56.734399	7.664957	1.296016

MARCH 1979

DAY	X	Y	Z	DAY	X	Y	Z
1.00	56.324728	11.099221	2.439441	17.00	-52.786142	-30.356848	-8.885154
1.25	55.701249	14.489959	3.573109	17.25	-50.846929	-32.997260	-9.799964
1.50	54.868542	17.824777	4.692829	17.50	-48.750146	-35.533469	-10.683801
1.75	53.831990	21.091794	5.794561	17.75	-46.501250	-37.956746	-11.533658
2.00	52.597704	24.279681	6.874433	18.00	-44.106238	-40.258588	-12.346597
2.25	51.172461	27.377702	7.928752	18.25	-41.571639	-42.430753	-13.119749
2.50	49.563639	30.375738	8.954020	18.50	-38.904507	-44.465286	-13.850329
2.75	47.779143	33.264306	9.946932	18.75	-36.112416	-46.354547	-14.535646
3.00	45.827347	36.034571	10.904392	19.00	-33.203448	-48.091252	-15.173114
3.25	43.717027	38.678355	11.823510	19.25	-30.186181	-49.668490	-15.760261
3.50	41.457307	41.188135	12.701605	19.50	-27.069678	-51.079767	-16.294740
3.75	39.057596	43.557041	13.536205	19.75	-23.863468	-52.319032	-16.774340
4.00	36.527547	45.778850	14.325046	20.00	-20.577533	-53.380708	-17.196997
4.25	33.876998	47.847970	15.066069	20.25	-17.222283	-54.259728	-17.568087
4.50	31.115937	49.759432	15.757419	20.50	-13.808538	-54.951567	-17.864034
4.75	28.254458	51.508873	16.397436	20.75	-10.347499	-55.452270	-18.105124
5.00	25.302726	53.092516	16.984653	21.00	-6.850722	-55.758490	-18.282714
5.25	22.270945	54.507159	17.517791	21.25	-3.330089	-55.867515	-18.395645
5.50	19.169330	55.750150	17.995755	21.50	0.202233	-55.777305	-18.442972
5.75	16.008078	56.819374	18.417625	21.75	3.733824	-55.486513	-18.423976
6.00	12.797349	57.713232	18.782652	22.00	7.252056	-54.994524	-18.338173
6.25	9.547246	58.430625	19.090256	22.25	10.744140	-54.301475	-18.185325
6.50	6.267792	58.970935	19.340014	22.50	14.197170	-53.408284	-17.965450
6.75	2.968918	59.334011	19.531662	22.75	17.598185	-52.316667	-17.678827
7.00	-0.339549	59.520154	19.665084	23.00	20.934219	-51.029165	-17.326009
7.25	-3.647906	59.530097	19.740313	23.25	24.192368	-49.549152	-16.907824
7.50	-6.946579	59.365001	19.757524	23.50	27.359853	-47.880848	-16.425384
7.75	-10.226139	59.026435	19.717030	23.75	30.424090	-46.029324	-15.880088
8.00	-13.477305	58.516365	19.619278	24.00	33.372758	-44.000501	-15.273618
8.25	-16.690964	57.837149	19.464848	24.25	36.193878	-41.801146	-14.607947
8.50	-19.858170	56.991521	19.254448	24.50	38.875882	-39.438853	-13.885327
8.75	-22.970160	55.982584	18.988912	24.75	41.407694	-36.922028	-13.108293
9.00	-26.018362	54.813804	18.669197	25.00	43.778802	-34.259852	-12.279647
9.25	-28.994401	53.488999	18.296381	25.25	45.979333	-31.462252	-11.402451
9.50	-31.890113	52.012331	17.871660	25.50	48.000124	-28.539851	-10.480015
9.75	-34.697552	50.388305	17.396348	25.75	49.832791	-25.503917	-9.515877
10.00	-37.409002	48.621754	16.871872	26.00	51.469789	-22.366302	-8.513791
10.25	-40.016988	46.717837	16.299772	26.25	52.904468	-19.139375	-7.477697
10.50	-42.514286	44.682034	15.681700	26.50	54.131128	-15.835948	-6.411707
10.75	-44.893936	42.520134	15.019413	26.75	55.145051	-12.469198	-5.320071
11.00	-47.149253	40.238231	14.314779	27.00	55.942541	-9.052581	-4.207157
11.25	-49.273841	37.842716	13.569768	27.25	56.520938	-5.599748	-3.077422
11.50	-51.261607	35.340269	12.786451	27.50	56.878638	-2.124456	-1.935377
11.75	-53.106772	32.737850	11.967000	27.75	57.015085	1.359520	-0.785567
12.00	-54.803888	30.042692	11.113684	28.00	56.930772	4.838477	0.367466
12.25	-56.347850	27.262285	10.228864	28.25	56.627214	8.298865	1.519207
12.50	-57.733912	24.404373	9.314993	28.50	56.106924	11.727376	2.665200
12.75	-58.957701	21.476935	8.374610	28.75	55.373373	15.111011	3.801066
13.00	-60.015231	18.488178	7.410338	29.00	54.430949	18.437160	4.922540
13.25	-60.902921	15.446518	6.424877	29.25	53.284899	21.693663	6.025481
13.50	-61.617604	12.360571	5.421002	29.50	51.941277	24.868867	7.105901
13.75	-62.156544	9.239131	4.401558	29.75	50.406880	27.951678	8.159978
14.00	-62.517452	6.091156	3.369454	30.00	48.689183	30.931599	9.184075
14.25	-62.698494	2.925751	2.327654	30.25	46.796273	33.798770	10.174748
14.50	-62.698307	-0.247854	1.279179	30.50	44.736779	36.543989	11.128762
14.75	-62.516010	-3.420322	0.227092	30.75	42.519809	39.158736	12.043094
15.00	-62.151216	-6.582230	-0.825504	31.00	40.154878	41.635180	12.914942
15.25	-61.604039	-9.724093	-1.875473	31.25	37.651848	43.966189	13.741724
15.50	-60.875108	-12.836385	-2.919655	31.50	35.020867	46.145329	14.521087
15.75	-59.965570	-15.909565	-3.954872	31.75	32.272305	48.166856	15.250896
16.00	-58.877099	-18.934099	-4.977940				
16.25	-57.611904	-21.900489	-5.985672				
16.50	-56.172732	-24.799293	-6.974889				
16.75	-54.562867	-27.621159	-7.942429				

APRIL 1979

DAY	X	Y	Z	DAY	X	Y	Z
1.00	29.416707	50.025710	15.929241	16.00	-23.566696	-52.258244	-16.869960
1.25	26.464738	51.717502	16.554431	16.25	-20.270419	-53.347830	-17.306275
1.50	23.427136	53.238492	17.124987	16.50	-16.906545	-54.254893	-17.683477
1.75	20.314673	54.585577	17.639640	16.75	-13.486167	-54.975150	-17.999885
2.00	17.138113	55.756268	18.097323	17.00	-10.020709	-55.504935	-18.254015
2.25	13.908181	56.748667	18.497168	17.25	-6.521892	-55.841230	-18.444590
2.50	10.635531	57.561445	18.838493	17.50	-3.001691	-55.981683	-18.570551
2.75	7.330719	58.193821	19.120802	17.75	0.527708	-55.924632	-18.631061
3.00	4.004182	58.645535	19.343773	18.00	4.053947	-55.669126	-18.625514
3.25	0.666215	58.916833	19.507255	18.25	7.564549	-55.214936	-18.553545
3.50	-2.673044	59.008436	19.611256	18.50	11.046961	-54.562574	-18.415029
3.75	-6.003630	58.921529	19.655942	18.75	14.488604	-53.713302	-18.210092
4.00	-9.315764	58.657732	19.641628	19.00	17.876928	-52.669139	-17.939112
4.25	-12.599866	58.219089	19.568772	19.25	21.199457	-51.6432870	-17.602722
4.50	-15.846559	57.608046	19.437971	19.50	24.443851	-50.008042	-17.201814
4.75	-19.046681	56.827436	19.249954	19.75	27.597954	-48.398966	-16.737535
5.00	-22.191294	55.880467	19.005580	20.00	30.649853	-46.610711	-16.211292
5.25	-25.271686	54.770704	18.705828	20.25	33.587932	-44.649093	-15.624748
5.50	-28.279380	53.502061	18.351803	20.50	36.400931	-42.520667	-14.979816
5.75	-31.206138	52.078784	17.944721	20.75	39.077998	-40.232702	-14.278660
6.00	-34.043970	50.505450	17.485916	21.00	41.608752	-37.793164	-13.523685
6.25	-36.785135	48.786949	16.976829	21.25	43.983331	-35.210689	-12.717532
6.50	-39.422153	46.928480	16.419012	21.50	46.192450	-32.494551	-11.863066
6.75	-41.947806	44.935542	15.814118	21.75	48.227452	-29.654627	-10.963369
7.00	-44.355148	42.813930	15.163910	22.00	50.080362	-26.701358	-10.021727
7.25	-46.637514	40.569723	14.470248	22.25	51.743928	-23.645702	-9.041614
7.50	-48.788526	38.209283	13.735091	22.50	53.211671	-20.499085	-8.026677
7.75	-50.802103	35.739247	12.960500	22.75	54.477921	-17.273349	-6.980723
8.00	-52.672472	33.166517	12.148629	23.00	55.537856	-13.980694	-5.907697
8.25	-54.394179	30.498260	11.301728	23.25	56.387531	-10.633613	-4.811660
8.50	-55.962098	27.741899	10.422136	23.50	57.023901	-7.244834	-3.696777
8.75	-57.371449	24.905102	9.512287	23.75	57.444844	-3.827249	-2.567285
9.00	-58.617807	21.995778	8.574699	24.00	57.649168	-0.393843	-1.427477
9.25	-59.697120	19.022069	7.611978	24.25	57.636620	3.042368	-0.281678
9.50	-60.605717	15.992335	6.626811	24.50	57.407885	6.468417	0.865782
9.75	-61.340335	12.915149	5.621964	24.75	56.964573	9.871448	2.010588
10.00	-61.898121	9.799281	4.600279	25.00	56.309207	13.238791	3.148464
10.25	-62.276661	6.653684	3.564670	25.25	55.445196	16.558025	4.275195
10.50	-62.473988	3.487484	2.518116	25.50	54.376810	19.817043	5.386653
10.75	-62.488602	0.309956	1.463661	25.75	53.109142	23.004113	6.478813
11.00	-62.319486	-2.869490	0.404400	26.00	51.648065	26.107932	7.547775
11.25	-61.966118	-6.041328	-0.656518	26.25	50.000187	29.117681	8.589780
11.50	-61.428493	-9.195943	-1.715903	26.50	48.172802	32.023069	9.601231
11.75	-60.707131	-12.323650	-2.770532	26.75	46.173832	34.814372	10.578705
12.00	-59.803093	-15.414721	-3.817151	27.00	44.011773	37.482468	11.518963
12.25	-58.717992	-18.459411	-4.852491	27.25	41.695634	40.018869	12.418965
12.50	-57.454005	-21.447991	-5.873272	27.50	39.234877	42.415737	13.275879
12.75	-56.013879	-24.370773	-6.876216	27.75	36.639361	44.665906	14.087083
13.00	-54.400940	-27.218142	-7.858056	28.00	33.919276	46.762888	14.850176
13.25	-52.619097	-29.980595	-8.815545	28.25	31.085089	48.700881	15.562975
13.50	-50.672844	-32.648769	-9.745473	28.50	28.147486	50.474768	16.223524
13.75	-48.567261	-35.213476	-10.644672	28.75	25.117317	52.080112	16.830085
14.00	-46.308010	-37.665742	-11.510031	29.00	22.005546	53.513149	17.381143
14.25	-43.901328	-39.996845	-12.338510	29.25	18.823200	54.770771	17.875398
14.50	-41.354025	-42.198344	-13.127149	29.50	15.581329	55.850518	18.311766
14.75	-38.673465	-44.262123	-13.873081	29.75	12.290960	56.750551	18.689369
15.00	-35.867559	-46.180423	-14.573547	30.00	8.963058	57.469641	19.007535
15.25	-32.944744	-47.945882	-15.225905	30.25	5.608500	58.007138	19.265784
15.50	-29.913965	-49.551567	-15.827646	30.50	2.238033	58.362957	19.463828
15.75	-26.784652	-50.991011	-16.376402	30.75	-1.137742	58.537548	19.601562

MAY 1979

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-4.508403	58.531877	19.679053	17.00	27.860091	-48.059953	-16.854681
1.25	-7.863721	58.347400	19.696539	17.25	30.937155	-46.290316	-16.338108
1.50	-11.193682	57.986039	19.654416	17.50	33.898111	-44.348911	-15.760983
1.75	-14.488502	57.450162	19.553235	17.75	36.731871	-42.242671	-15.125341
2.00	-17.738635	56.742561	19.393691	18.00	39.427837	-39.979205	-14.433453
2.25	-20.934790	55.866427	19.176621	18.25	41.975950	-37.566763	-13.687819
2.50	-24.067938	54.825338	18.902996	18.50	44.366737	-35.014194	-12.891158
2.75	-27.129318	53.623235	18.573913	18.75	46.591353	-32.330913	-12.046390
3.00	-30.110445	52.264406	18.190593	19.00	48.641618	-29.526853	-11.156628
3.25	-33.003115	50.753473	17.754372	19.25	50.510055	-26.612419	-10.225163
3.50	-35.799409	49.095373	17.266701	19.50	52.189921	-23.598445	-9.255445
3.75	-38.491698	47.295349	16.729138	19.75	53.675234	-20.496139	-8.251072
4.00	-41.072646	45.358937	16.143346	20.00	54.960799	-17.317037	-7.215769
4.25	-43.535217	43.291955	15.511089	20.25	56.042227	-14.072945	-6.153379
4.50	-45.847674	41.100491	14.834229	20.50	56.915951	-10.775892	-5.067833
4.75	-48.078587	38.790899	14.114724	20.75	57.579239	-7.438069	-3.963144
5.00	-50.146838	36.369786	13.354625	21.00	58.030200	-4.071778	-2.843383
5.25	-52.071623	33.844010	12.556072	21.25	58.267791	-0.689378	-1.712660
5.50	-53.847464	31.220667	11.721295	21.50	58.291812	2.696774	-0.575110
5.75	-55.469212	28.507092	10.852609	21.75	58.102904	6.074379	0.565130
6.00	-56.932054	25.710844	9.952416	22.00	57.702538	9.431242	1.703938
6.25	-58.231527	22.839709	9.023201	22.25	57.093002	12.755337	2.837226
6.50	-59.363525	19.901687	8.067527	22.50	56.277384	16.034849	3.960953
6.75	-60.324308	16.904987	7.088041	22.75	55.259545	19.258230	5.071151
7.00	-61.110521	13.858021	6.087463	23.00	54.044102	22.414245	6.163933
7.25	-61.719201	10.769396	5.068591	23.25	52.636389	25.492022	7.235517
7.50	-62.147793	7.647904	4.034295	23.50	51.042427	28.481088	8.282234
7.75	-62.394168	4.502510	2.987512	23.75	49.268892	31.371416	9.300549
8.00	-62.456635	1.342345	1.931248	24.00	47.323065	34.153460	10.287070
8.25	-62.333963	-1.823311	0.868569	24.25	45.212799	36.818187	11.238563
8.50	-62.025392	-4.985042	-0.197400	24.50	42.946469	39.357109	12.151962
8.75	-61.530656	-8.133312	-1.263482	24.75	40.532929	41.762307	13.024379
9.00	-60.849998	-11.258489	-2.326454	25.00	37.981460	44.026455	13.853111
9.25	-59.984189	-14.350857	-3.383052	25.25	35.301724	46.142835	14.635650
9.50	-58.934543	-17.400650	-4.429981	25.50	32.503714	48.105355	15.369689
9.75	-57.702937	-20.398068	-5.463919	25.75	29.597704	49.908552	16.053123
10.00	-56.291822	-23.333312	-6.481530	26.00	26.594200	51.547603	16.684055
10.25	-54.704241	-26.196611	-7.479472	26.25	23.503893	53.018327	17.260797
10.50	-52.943839	-28.978258	-8.454408	26.50	20.337612	54.317178	17.781872
10.75	-51.014873	-31.668643	-9.403021	26.75	17.106274	55.441245	18.246011
11.00	-48.922220	-34.258291	-10.322017	27.00	13.820848	56.388241	18.652152
11.25	-46.671383	-36.737906	-11.208150	27.25	10.492308	57.156491	18.999440
11.50	-44.268489	-39.098404	-12.058226	27.50	7.131597	57.744922	19.287219
11.75	-41.720289	-41.330964	-12.869126	27.75	3.749586	58.153042	19.515031
12.00	-39.034152	-43.427067	-13.637811	28.00	0.357048	58.380927	19.682611
12.25	-36.218055	-45.378546	-14.361349	28.25	-3.035382	58.429198	19.789878
12.50	-33.280566	-47.177625	-15.036919	28.50	-6.417227	58.299003	19.836933
12.75	-30.230828	-48.816969	-15.661835	28.75	-9.778199	57.991994	19.824049
13.00	-27.078533	-50.289727	-16.233558	29.00	-13.108220	57.510307	19.751669
13.25	-23.833896	-51.589573	-16.749710	29.25	-16.397444	56.856539	19.620393
13.50	-20.507621	-52.710754	-17.208094	29.50	-19.636271	56.033728	19.430978
13.75	-17.110862	-53.648124	-17.606700	29.75	-22.815365	55.045326	19.184324
14.00	-13.655186	-54.397183	-17.943729	30.00	-25.925667	53.895186	18.881474
14.25	-10.152523	-54.954111	-18.217595	30.25	-28.958407	52.587532	18.523604
14.50	-6.615121	-55.315801	-18.426944	30.50	-31.905112	51.126949	18.112014
14.75	-3.055491	-55.479883	-18.570663	30.75	-34.757615	49.518356	17.648130
15.00	0.513646	-55.444747	-18.647885	31.00	-37.508061	47.766993	17.133490
15.25	4.079417	-55.209563	-18.658001	31.25	-40.148914	45.878404	16.569741
15.50	7.628857	-54.774294	-18.600665	31.50	-42.672960	43.858417	15.958638
15.75	11.148967	-54.139704	-18.475799	31.75	-45.073314	41.713135	15.302035
16.00	14.626779	-53.307365	-18.283592				
16.25	18.049413	-52.279651	-18.024509				
16.50	21.404141	-51.059738	-17.699282				
16.75	24.678449	-49.651592	-17.308916				

JUNE

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DAY	X	Y	Z	DAY	X	Y	Z
1.00	-47.343419	39.448922	14.601881	16.00	53.552513	-20.021734	-8.353320
1.25	-49.477055	37.072385	13.860216	16.25	54.873260	-16.839859	-7.318731
1.50	-51.468337	34.590371	13.079171	16.50	55.987545	-13.595247	-6.256876
1.75	-53.311722	32.009949	12.260960	16.75	56.892163	-10.300180	-5.171790
2.00	-55.002011	29.338407	11.407880	17.00	57.584780	-6.967023	-4.067560
2.25	-56.534356	26.583239	10.522306	17.25	58.063922	-3.608166	-2.948308
2.50	-57.904260	23.752139	9.606689	17.50	58.328965	-0.235972	-1.818171
2.75	-59.107588	20.852992	8.663558	17.75	58.380123	3.137282	-0.681284
3.00	-60.140568	17.893868	7.695510	18.00	58.218424	6.499450	0.458241
3.25	-60.999804	14.883015	6.705214	18.25	57.845695	9.838566	1.596325
3.50	-61.682280	11.828851	5.695409	18.50	57.264530	13.142894	2.728946
3.75	-62.185370	8.739959	4.668896	18.75	56.478273	16.400963	3.852147
4.00	-62.506852	5.625076	3.628542	19.00	55.490978	19.601613	4.962056
4.25	-62.644914	2.493087	2.577277	19.25	54.307387	22.734029	6.054894
4.50	-62.598175	-0.646982	1.518087	19.50	52.932891	25.787777	7.126992
4.75	-62.365688	-3.785978	0.454015	19.75	51.373500	28.752833	8.174800
5.00	-61.946965	-6.914632	-0.611841	20.00	49.635807	31.619614	9.194899
5.25	-61.341988	-10.023567	-1.676338	20.25	47.726946	34.379006	10.184011
5.50	-60.551225	-13.103318	-2.736286	20.50	45.654563	37.022382	11.139004
5.75	-59.575651	-16.144346	-3.788455	20.75	43.426771	39.541631	12.056908
6.00	-58.416761	-19.137055	-4.829582	21.00	41.052115	41.929168	12.934916
6.25	-57.076591	-22.071819	-5.856378	21.25	38.539528	44.177955	13.770392
6.50	-55.557736	-24.938997	-6.865531	21.50	35.898299	46.281516	14.560878
6.75	-53.863363	-27.728969	-7.853720	21.75	33.138024	48.233941	15.304097
7.00	-51.997233	-30.432155	-8.817621	22.00	30.268573	50.029901	15.997958
7.25	-49.963710	-33.039057	-9.753917	22.25	27.300047	51.664650	16.640560
7.50	-47.767782	-35.540289	-10.659312	22.50	24.242742	53.134029	17.230192
7.75	-45.415063	-37.926614	-11.530542	22.75	21.107105	54.434467	17.765337
8.00	-42.911807	-40.188989	-12.364387	23.00	17.903701	55.562983	18.244670
8.25	-40.264913	-42.318607	-13.157689	23.25	14.643173	56.517177	18.667060
8.50	-37.481924	-44.306944	-13.907366	23.50	11.336208	57.295229	19.031569
8.75	-34.571025	-46.145807	-14.610426	23.75	7.993498	57.895887	19.337450
9.00	-31.541034	-47.827383	-15.263987	24.00	4.625710	58.318462	19.584146
9.25	-28.401391	-49.344294	-15.865297	24.25	1.243454	58.562816	19.771283
9.50	-25.162138	-50.689647	-16.411746	24.50	-2.142753	58.629346	19.898673
9.75	-21.833893	-51.857087	-16.900889	24.75	-5.522508	58.518971	19.966306
10.00	-18.427820	-52.840850	-17.330461	25.00	-8.885558	58.233121	19.974346
10.25	-14.955594	-53.635811	-17.698402	25.25	-12.221818	57.773714	19.923127
10.50	-11.429354	-54.237535	-18.002864	25.50	-15.521399	57.143141	19.813148
10.75	-7.861653	-54.642318	-18.242236	25.75	-18.774632	56.344250	19.645066
11.00	-4.265406	-54.847235	-18.415155	26.00	-21.972080	55.380324	19.419692
11.25	-0.653826	-54.850169	-18.520525	26.25	-25.104565	54.255063	19.137987
11.50	2.959642	-54.649848	-18.557524	26.50	-28.163179	52.972566	18.801049
11.75	6.561389	-54.245868	-18.525616	26.75	-31.139301	51.537311	18.410114
12.00	10.137719	-53.638710	-18.424562	27.00	-34.024609	49.954133	17.966550
12.25	13.674923	-52.829756	-18.254423	27.25	-36.811092	48.228211	17.471846
12.50	17.159357	-51.821288	-18.015567	27.50	-39.491060	46.365043	16.927607
12.75	20.577521	-50.616488	-17.708666	27.75	-42.057150	44.370434	16.335555
13.00	23.916139	-49.219428	-17.334699	28.00	-44.502339	42.250474	15.697513
13.25	27.162231	-47.635047	-16.894944	28.25	-46.819947	40.011522	15.015410
13.50	30.303193	-45.869131	-16.390976	28.50	-49.003643	37.660194	14.291267
13.75	33.326862	-43.928277	-15.824654	28.75	-51.047447	35.203343	13.527198
14.00	36.221590	-41.819858	-15.198114	29.00	-52.945741	32.648047	12.725403
14.25	38.976300	-39.551978	-14.513754	29.25	-54.693267	30.001595	11.888163
14.50	41.580548	-37.133420	-13.774219	29.50	-56.285133	27.271475	11.017838
14.75	44.024571	-34.573598	-12.982384	29.75	-57.716817	24.465360	10.116862
15.00	46.299333	-31.882499	-12.141342	30.00	-58.984168	21.591100	9.187739
15.25	48.396564	-29.070621	-11.254378	30.25	-60.083414	18.656708	8.233039
15.50	50.308794	-26.148918	-10.324952	30.50	-61.011162	15.670354	7.255398
15.75	52.029377	-23.128732	-9.356682	30.75	-61.764404	12.640348	6.257510

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DAY	X	Y	Z	DAY	X	Y	Z
1.00	-62.340523	9.575142	5.242129	17.00	51.042130	29.031009	8.051660
1.25	-62.737298	6.483312	4.212064	17.25	49.329345	31.909769	9.079532
1.50	-62.952911	3.373552	3.170176	17.50	47.445150	34.678266	10.076098
1.75	-62.985955	0.254666	2.119375	17.75	45.397469	37.328096	11.038270
2.00	-62.835440	-2.864442	1.062620	18.00	43.194637	39.851407	11.963132
2.25	-62.500805	-5.974776	0.002913	18.25	40.845366	42.240904	12.847941
2.50	-61.981927	-9.067259	-1.056702	18.50	38.358697	44.489859	13.690134
2.75	-61.279133	-12.132747	-2.113143	18.75	35.743971	46.592113	14.487328
3.00	-60.393213	-15.162035	-3.163295	19.00	33.010779	48.542077	15.237326
3.25	-59.325430	-18.145875	-4.204012	19.25	30.168937	50.334734	15.938110
3.50	-58.077539	-21.074989	-5.232119	19.50	27.228441	51.965635	16.587853
3.75	-56.651796	-23.940085	-6.244425	19.75	24.199441	53.430899	17.184908
4.00	-55.050978	-26.731879	-7.237719	20.00	21.092203	54.727210	17.727817
4.25	-53.278397	-29.441108	-8.208785	20.25	17.917081	55.851805	18.215303
4.50	-51.337912	-32.058564	-9.154404	20.50	14.684484	56.802478	18.646274
4.75	-49.233950	-34.575112	-10.071363	20.75	11.404848	57.577562	19.019819
5.00	-46.971517	-36.981721	-10.956464	21.00	8.088608	58.175929	19.335206
5.25	-44.556211	-39.269494	-11.806538	21.25	4.746169	58.596977	19.591881
5.50	-41.994236	-41.429709	-12.618450	21.50	1.387883	58.840622	19.789467
5.75	-39.292412	-43.453851	-13.389118	21.75	-1.975979	58.907285	19.927757
6.00	-36.458178	-45.333653	-14.115520	22.00	-5.335251	58.797882	20.006714
6.25	-33.499604	-47.061147	-14.794714	22.25	-8.679895	58.513813	20.026467
6.50	-30.425384	-48.628702	-15.423852	22.50	-12.000020	58.056947	19.987310
6.75	-27.244836	-50.029083	-16.000197	22.75	-15.285911	57.429612	19.889691
7.00	-23.967891	-51.255497	-16.521139	23.00	-18.528041	56.634577	19.734219
7.25	-20.605080	-52.301648	-16.984219	23.25	-21.717096	55.675038	19.521647
7.50	-17.167513	-53.161796	-17.387140	23.50	-24.843989	54.554607	19.252880
7.75	-13.666849	-53.830807	-17.727794	23.75	-27.899883	53.277293	18.928961
8.00	-10.115263	-54.304215	-18.004279	24.00	-30.876200	51.847486	18.551070
8.25	-6.525403	-54.578269	-18.214919	24.25	-33.764642	50.269943	18.120522
8.50	-2.910341	-54.649991	-18.358280	24.50	-36.557204	48.549770	17.638755
8.75	0.716483	-54.517222	-18.433196	24.75	-39.246183	46.692407	17.107331
9.00	4.341331	-54.178666	-18.438777	25.00	-41.824194	44.703609	16.527929
9.25	7.950233	-53.633929	-18.374430	25.25	-44.284181	42.589431	15.902338
9.50	11.529067	-52.883552	-18.239870	25.50	-46.619424	40.356212	15.232454
9.75	15.063645	-51.929034	-18.035133	25.75	-48.823552	38.010558	14.520274
10.00	18.539796	-50.772850	-17.760582	26.00	-50.890547	35.559323	13.767890
10.25	21.943461	-49.418456	-17.416917	26.25	-52.814754	33.009598	12.977488
10.50	25.260784	-47.870288	-17.005168	26.50	-54.590888	30.368692	12.151335
10.75	28.478206	-46.133746	-16.526704	26.75	-56.214036	27.644116	11.291782
11.00	31.582561	-44.215176	-15.983222	27.00	-57.679669	24.843572	10.401256
11.25	34.561158	-42.121834	-15.376742	27.25	-58.983640	21.974933	9.482253
11.50	37.401876	-39.861843	-14.709594	27.50	-60.122193	19.046235	8.537339
11.75	40.093238	-37.444145	-13.984403	27.75	-61.091965	16.065657	7.569140
12.00	42.624487	-34.878439	-13.204075	28.00	-61.889990	13.041513	6.580342
12.25	44.985653	-32.175118	-12.371771	28.25	-62.513706	9.982236	5.573681
12.50	47.167612	-29.345192	-11.490893	28.50	-62.960953	6.896368	4.551948
12.75	49.162128	-26.400218	-10.565051	28.75	-63.229984	3.792544	3.517977
13.00	50.961900	-23.352215	-9.598045	29.00	-63.319462	0.679484	2.474645
13.25	52.560585	-20.213587	-8.593833	29.25	-63.228472	-2.434019	1.424867
13.50	53.952824	-16.997036	-7.556508	29.50	-62.956518	-5.539115	0.371594
13.75	55.134241	-13.715486	-6.490269	29.75	-62.503537	-8.626902	-0.682194
14.00	56.101459	-10.381997	-5.399395	30.00	-61.869896	-11.688443	-1.733487
14.25	56.852081	-7.009693	-4.288216	30.25	-61.056406	-14.714777	-2.779254
14.50	57.384681	-3.611686	-3.161094	30.50	-60.064325	-17.696931	-3.816442
14.75	57.698781	-0.201006	-2.022391	30.75	-58.895367	-20.625932	-4.841986
15.00	57.794827	3.209465	-0.876454	31.00	-57.551709	-23.492822	-5.852805
15.25	57.674151	6.607049	-0.272414	31.25	-56.036003	-26.288675	-6.845815
15.50	57.338943	9.979333	1.419967	31.50	-54.351383	-29.004609	-7.817930
15.75	56.792203	13.314214	2.562037	31.75	-52.501475	-31.631808	-8.766068
16.00	56.037704	16.599947	3.694551				
16.25	55.079947	19.825180	4.813546				
16.50	53.924119	22.978994	5.915178				
16.75	52.576042	26.050929	6.995738				

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DAY	X	Y	Z	DAY	X	Y	Z
1.00	-50.490408	-34.161538	-9.687156	17.00	11.142688	57.565587	18.907179
1.25	-48.322824	-36.585169	-10.578140	17.25	7.840366	58.180102	19.232568
1.50	-46.003889	-38.894197	-11.435987	17.50	4.512474	58.615447	19.498820
1.75	-43.539302	-41.080272	-12.257698	17.75	1.169297	58.871761	19.705614
2.00	-40.935307	-43.135223	-13.040315	18.00	-2.178993	58.949670	19.852795
2.25	-38.198697	-45.051089	-13.780931	18.25	-5.522353	58.850275	19.940370
2.50	-35.336825	-46.820152	-14.476700	18.50	-8.850890	58.575136	19.968509
2.75	-32.357607	-48.434971	-15.124848	18.75	-12.154877	58.126257	19.937534
3.00	-29.269527	-49.888424	-15.722690	19.00	-15.424767	57.506077	19.847918
3.25	-26.081638	-51.173747	-16.267638	19.25	-18.651210	56.717451	19.700282
3.50	-22.803554	-52.284576	-16.757220	19.50	-21.825067	55.763643	19.495392
3.75	-19.445448	-53.214998	-17.189095	19.75	-24.937426	54.648306	19.234150
4.00	-16.018039	-53.959597	-17.561068	20.00	-27.979610	53.375474	18.917597
4.25	-12.532574	-54.513504	-17.871108	20.25	-30.943199	51.949548	18.546903
4.50	-9.000804	-54.872451	-18.117371	20.50	-33.820036	50.375282	18.123367
4.75	-5.434959	-55.032820	-18.298210	20.75	-36.602240	48.657770	17.648412
5.00	-1.847704	-54.991702	-18.412200	21.00	-39.282222	46.802430	17.123580
5.25	1.747894	-54.746941	-18.458157	21.25	-41.852693	44.814997	16.550528
5.50	5.338428	-54.297190	-18.435154	21.50	-44.306679	42.701503	15.931026
5.75	8.910202	-53.641954	-18.342539	21.75	-46.637526	40.468267	15.266951
6.00	12.449305	-52.781633	-18.179953	22.00	-48.838916	38.121878	14.560281
6.25	15.941679	-51.717563	-17.947345	22.25	-50.904875	35.669181	13.813093
6.50	19.373205	-50.452039	-17.644983	22.50	-52.829783	33.117268	13.027560
6.75	22.727877	-48.988346	-17.273469	22.75	-54.608381	30.473453	12.205943
7.00	25.997448	-47.330767	-16.833741	23.00	-56.235783	27.745269	11.350585
7.25	29.162425	-45.484590	-16.327085	23.25	-57.707483	24.940442	10.463914
7.50	32.211271	-43.456100	-15.755128	23.50	-59.019359	22.066883	9.548428
7.75	35.130952	-41.252561	-15.119845	23.75	-60.167685	19.132670	8.606698
8.00	37.908948	-38.882186	-14.423544	24.00	-61.149135	16.146035	7.641361
8.25	40.533354	-36.354099	-13.668860	24.25	-61.960791	13.115343	6.655113
8.50	42.992965	-33.678278	-12.858740	24.50	-62.600145	10.049085	5.650706
8.75	45.277368	-30.865497	-11.996427	24.75	-63.065109	6.955855	4.630942
9.00	47.377019	-27.927251	-11.085434	25.00	-63.354013	3.844338	3.598670
9.25	49.283314	-24.875674	-10.129525	25.25	-63.465619	0.723294	2.556777
9.50	50.988641	-21.723456	-9.132684	25.50	-63.399116	-2.398456	1.508188
9.75	52.486433	-18.483746	-8.099084	25.75	-63.154129	-5.512047	0.455859
10.00	53.771202	-15.170057	-7.033061	26.00	-62.730721	-8.608586	-0.597231
10.25	54.838559	-11.796166	-5.939079	26.25	-62.129398	-11.679164	-1.648080
10.50	55.685225	-8.376019	-4.821695	26.50	-61.351108	-14.714876	-2.693671
10.75	56.309028	-4.923631	-3.685533	26.75	-60.397251	-17.706835	-3.730978
11.00	56.708893	-1.452994	-2.535243	27.00	-59.269676	-20.646183	-4.756967
11.25	56.884813	2.022013	-1.375480	27.25	-57.970688	-23.524115	-5.768607
11.50	56.837823	5.487706	-0.210868	27.50	-56.503049	-26.331889	-6.762868
11.75	56.569951	8.930675	0.954026	27.75	-54.869984	-29.060846	-7.736736
12.00	56.084177	12.337853	2.114714	28.00	-53.075182	-31.702426	-8.687208
12.25	55.384376	15.696577	3.266813	28.25	-51.122800	-34.248188	-9.611307
12.50	54.475262	18.994645	4.406064	28.50	-49.017467	-36.689824	-10.506082
12.75	53.362328	22.220360	5.528350	28.75	-46.764287	-39.019184	-11.368619
13.00	52.051785	25.362570	6.629711	29.00	-44.368842	-41.228293	-12.196043
13.25	50.550496	28.410701	7.706359	29.25	-41.837195	-43.309375	-12.985531
13.50	48.865919	31.354779	8.754683	29.50	-39.175894	-45.254876	-13.734313
13.75	47.006042	34.185452	9.771263	29.75	-36.391973	-47.057489	-14.439687
14.00	44.979326	36.893999	10.752876	30.00	-33.492950	-48.710178	-15.099022
14.25	42.794646	39.472343	11.696495	30.25	-30.486832	-50.206211	-15.709774
14.50	40.461238	41.913048	12.599300	30.50	-27.382113	-51.539183	-16.269486
14.75	37.988648	44.209324	13.458674	30.75	-24.187767	-52.703057	-16.775810
15.00	35.386680	46.355019	14.272205	31.00	-20.913249	-53.692190	-17.226511
15.25	32.665356	48.344614	15.037685	31.25	-17.568481	-54.501371	-17.619484
15.50	29.834868	50.173216	15.753110	31.50	-14.163847	-55.125862	-17.952761
15.75	26.905541	51.836544	16.416677	31.75	-10.710179	-55.561431	-18.224532
16.00	23.887799	53.330917	17.026779				
16.25	20.792126	54.653247	17.582006				
16.50	17.629041	55.801014	18.081139				
16.75	14.409063	56.772265	18.523146				

SEPTEMBER 1979

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-7.218734	-55.804399	-18.433153	16.00	-24.905120	54.499474	19.177392
1.25	-3.701177	-55.851678	-18.577164	16.25	-27.949586	53.250028	18.869343
1.50	-0.169555	-55.700813	-18.655304	16.50	-30.914485	51.845578	18.506387
1.75	3.363739	-55.350030	-18.666526	16.75	-33.791764	50.290981	18.089855
2.00	6.886003	-54.798272	-18.610014	17.00	-36.573653	48.591413	17.621195
2.25	10.384270	-54.045248	-18.485195	17.25	-39.252678	46.752358	17.101969
2.50	13.845356	-53.091465	-18.291759	17.50	-41.821667	44.779596	16.533852
2.75	17.255920	-51.938273	-18.029671	17.75	-44.273758	42.679190	15.918621
3.00	20.602531	-50.587891	-17.699183	18.00	-46.602405	40.457474	15.258161
3.25	23.871730	-49.043442	-17.300852	18.25	-48.801390	38.121047	14.554453
3.50	27.050117	-47.308975	-16.835544	18.50	-50.864830	35.676753	13.809575
3.75	30.124425	-45.389475	-16.304444	18.75	-52.787184	33.131677	13.025700
4.00	33.081612	-43.290880	-15.709065	19.00	-54.563264	30.493129	12.205086
4.25	35.908951	-41.020074	-15.051249	19.25	-56.188241	27.768635	11.350080
4.50	38.594125	-38.584877	-14.333166	19.50	-57.657658	24.965919	10.463108
4.75	41.125320	-35.994026	-13.557311	19.75	-58.967434	22.092898	9.546674
5.00	43.491324	-33.257140	-12.726496	20.00	-60.113877	19.157662	8.603357
5.25	45.681615	-30.384679	-11.843843	20.25	-61.093690	16.168464	7.635803
5.50	47.686453	-27.387887	-10.912761	20.50	-61.903980	13.133705	6.646724
5.75	49.496966	-24.278728	-9.936935	20.75	-62.542268	10.061917	5.638891
6.00	51.105219	-21.069810	-8.920300	21.00	-63.006495	6.961750	4.615131
6.25	52.504286	-17.774305	-7.867015	21.25	-63.295028	3.841956	3.578320
6.50	53.688307	-14.405850	-6.781434	21.50	-63.406673	0.711370	2.531379
6.75	54.652527	-10.978454	-5.668077	21.75	-63.340675	-2.421105	1.477269
7.00	55.393335	-7.506397	-4.531598	22.00	-63.096728	-5.546513	0.418984
7.25	55.908274	-4.004122	-3.376743	22.25	-62.674980	-8.655871	-0.640455
7.50	56.196057	-0.486132	-2.208327	22.50	-62.076037	-11.740180	-1.698004
7.75	56.256548	3.033114	-1.031188	22.75	-61.300966	-14.790446	-2.750605
8.00	56.090749	6.539298	0.149840	23.00	-60.351303	-17.797701	-3.795188
8.25	55.700764	10.018346	1.329965	23.25	-59.229050	-20.753021	-4.828684
8.50	55.089758	13.456507	2.504462	23.50	-57.936682	-23.647548	-5.848027
8.75	54.261905	16.840443	3.668712	23.75	-56.477145	-26.472509	-6.850160
9.00	53.222326	20.157297	4.818217	24.00	-54.853859	-29.219235	-7.832045
9.25	51.977023	23.394760	5.948635	24.25	-53.070714	-31.879186	-8.790670
9.50	50.532811	26.541123	7.055792	24.50	-51.132075	-34.443970	-9.723053
9.75	48.897241	29.585325	8.135706	24.75	-49.042775	-36.905364	-10.626253
10.00	47.078526	32.516988	9.184598	25.00	-46.808116	-39.255337	-11.497375
10.25	45.085465	35.326441	10.198905	25.25	-44.433863	-41.486072	-12.333578
10.50	42.927368	38.004744	11.175291	25.50	-41.926244	-43.589989	-13.132084
10.75	40.613986	40.543695	12.110650	25.75	-39.291940	-45.559766	-13.890186
11.00	38.155435	42.935837	13.002111	26.00	-36.538085	-47.388365	-14.605252
11.25	35.562136	45.174453	13.847043	26.25	-33.672254	-49.069053	-15.274739
11.50	32.844749	47.253561	14.643048	26.50	-30.702460	-50.595431	-15.896197
11.75	30.014118	49.167899	15.387967	26.75	-27.637142	-51.961454	-16.467283
12.00	27.081212	50.912916	16.079871	27.00	-24.485157	-53.161456	-16.985762
12.25	24.057081	52.484747	16.717059	27.25	-21.255769	-54.190183	-17.449523
12.50	20.952812	53.880194	17.298053	27.50	-17.958635	-55.042813	-17.856587
12.75	17.779485	55.096707	17.821590	27.75	-14.603792	-55.714984	-18.205114
13.00	14.548138	56.132359	18.286620	28.00	-11.201637	-56.202828	-18.493417
13.25	11.269740	56.985819	18.692293	28.25	-7.762915	-56.502990	-18.719968
13.50	7.955154	57.656335	19.037958	28.50	-4.298691	-56.612667	-18.883414
13.75	4.615121	58.143703	19.323152	28.75	-0.820331	-56.529630	-18.982581
14.00	1.260231	58.448251	19.547594	29.00	2.660526	-56.252257	-19.016492
14.25	-2.099092	58.570808	19.711179	29.25	6.131999	-55.779560	-18.984373
14.50	-5.452609	58.512691	19.813972	29.50	9.581996	-55.111220	-18.885667
14.75	-8.790282	58.275679	19.856198	29.75	12.998255	-54.247608	-18.720041
15.00	-12.102282	57.861994	19.838241	30.00	16.368382	-53.189817	-18.487403
15.25	-15.379009	57.274283	19.760634	30.25	19.679898	-51.939686	-18.187908
15.50	-18.611096	56.515601	19.624055	30.50	22.920288	-50.499826	-17.821967
15.75	-21.789422	55.589391	19.429324	30.75	26.077059	-48.873638	-17.390261

OCTOBER 1979

DAY	X	Y	Z	DAY	X	Y	Z
1.00	29.137794	-47.065331	-16.893742	17.00	-58.732622	22.314324	9.692765
1.25	32.090219	-45.079936	-16.333649	17.25	-59.894582	19.394615	8.748791
1.50	34.922271	-42.923316	-15.711503	17.50	-60.888650	16.418816	7.779531
1.75	37.622166	-40.602165	-15.029119	17.75	-61.711934	13.395294	6.787699
2.00	40.178476	-38.124005	-14.288603	18.00	-62.361945	10.332558	5.776072
2.25	42.580205	-35.497180	-13.492354	18.25	-62.836603	7.239239	4.747483
2.50	44.816870	-32.730829	-12.643055	18.50	-63.134249	4.124082	3.704823
2.75	46.878572	-29.834864	-11.743677	18.75	-63.253651	0.995928	2.651029
3.00	48.756086	-26.819937	-10.797458	19.00	-63.194018	-2.136296	1.589085
3.25	50.440928	-23.697388	-9.807900	19.25	-62.955003	-5.263600	0.522017
3.50	51.925433	-20.479196	-8.778749	19.50	-62.536718	-8.376940	-0.547118
3.75	53.202822	-17.177915	-7.713979	19.75	-61.939737	-11.467244	-1.615232
4.00	54.267263	-13.806606	-6.617767	20.00	-61.165109	-14.525425	-2.679213
4.25	55.113929	-10.378756	-5.494472	20.25	-60.214361	-17.542404	-3.735936
4.50	55.739041	-6.908193	-4.348609	20.50	-59.089506	-20.509134	-4.782265
4.75	56.139905	-3.408998	-3.184816	20.75	-57.793051	-23.416618	-5.815062
5.00	56.314938	0.104593	-2.007827	21.00	-56.327995	-26.255933	-6.831195
5.25	56.263677	3.618283	-0.822435	21.25	-54.697838	-29.018260	-7.827548
5.50	55.986788	7.117813	0.366535	21.50	-52.906579	-31.694901	-8.801026
5.75	55.486048	10.589061	1.554263	21.75	-50.958720	-34.277311	-9.748565
6.00	54.764328	14.018133	2.735965	22.00	-48.859259	-36.757122	-10.667142
6.25	53.825556	17.391459	3.906928	22.25	-46.613691	-39.126171	-11.553784
6.50	52.674675	20.695874	5.062536	22.50	-44.228002	-41.376528	-12.405578
6.75	51.317589	23.918703	6.198302	22.75	-41.708664	-43.500519	-13.219678
7.00	49.761100	27.047824	7.309891	23.00	-39.062623	-45.490762	-13.993317
7.25	48.012843	30.071739	8.393149	23.25	-36.297292	-47.340189	-14.723817
7.50	46.081208	32.979622	9.444118	23.50	-33.420536	-49.042074	-15.408598
7.75	43.975268	35.761365	10.459056	23.75	-30.440663	-50.590064	-16.045188
8.00	41.704694	38.407614	11.434453	24.00	-27.366400	-51.978202	-16.631234
8.25	39.279679	40.909790	12.367041	24.25	-24.206883	-53.200958	-17.164511
8.50	36.710857	43.260111	13.253802	24.50	-20.971635	-54.253252	-17.642929
8.75	34.009226	45.451597	14.091975	24.75	-17.670540	-55.130481	-18.064546
9.00	31.186070	47.478071	14.879058	25.00	-14.313826	-55.828545	-18.427580
9.25	28.252892	49.334152	15.612810	25.25	-10.912037	-56.343866	-18.730409
9.50	25.221342	51.015246	16.291246	25.50	-7.476006	-56.673421	-18.971590
9.75	22.103161	52.517523	16.912637	25.75	-4.016826	-56.814753	-19.149860
10.00	18.910115	53.837902	17.475506	26.00	-0.545819	-56.766001	-19.264151
10.25	15.653951	54.974019	17.978615	26.25	2.925495	-56.525915	-19.313590
10.50	12.346346	55.924207	18.420965	26.50	6.385432	-56.093877	-19.297516
10.75	8.998868	56.687459	18.801782	26.75	9.822183	-55.469917	-19.215480
11.00	5.622936	57.263406	19.120513	27.00	13.223849	-54.654730	-19.067255
11.25	2.229789	57.652277	19.376812	27.25	16.578484	-53.649692	-18.852844
11.50	-1.169538	57.854877	19.570535	27.50	19.874134	-52.456867	-18.572482
11.75	-4.564240	57.872549	19.701728	27.75	23.098881	-51.079023	-18.226643
12.00	-7.943765	57.707149	19.770617	28.00	26.240894	-49.519640	-17.816047
12.25	-11.297824	57.361015	19.777602	28.25	29.288471	-47.782911	-17.341661
12.50	-14.616407	56.836941	19.723247	28.50	32.230090	-45.873750	-16.804701
12.75	-17.889796	56.138149	19.608269	28.75	35.054464	-43.797788	-16.206639
13.00	-21.108572	55.268267	19.433536	29.00	37.750590	-41.561375	-15.549199
13.25	-24.263622	54.231306	19.200052	29.25	40.307808	-39.171567	-14.834359
13.50	-27.346147	53.031636	18.908958	29.50	42.715853	-36.636117	-14.064347
13.75	-30.347663	51.673968	18.561520	29.75	44.964915	-33.963462	-13.241645
14.00	-33.260006	50.163338	18.159125	30.00	47.045696	-31.162698	-12.368973
14.25	-36.075339	48.505086	17.703274	30.25	48.949468	-28.243557	-11.449294
14.50	-38.786149	46.704846	17.195582	30.50	50.668128	-25.216376	-10.485798
14.75	-41.385254	44.768523	16.637766	30.75	52.194258	-22.092061	-9.481897
15.00	-43.865803	42.702292	16.031646	31.00	53.521175	-18.882045	-8.441207
15.25	-46.221281	40.512575	15.379141	31.25	54.642986	-15.598237	-7.367541
15.50	-48.445514	38.206036	14.682261	31.50	55.554635	-12.252974	-6.264886
15.75	-50.532667	35.789567	13.943109	31.75	56.251946	-8.858958	-5.137390
16.00	-52.477253	33.270281	13.163873				
16.25	-54.274137	30.655499	12.346828				
16.50	-55.918542	27.952742	11.494327				
16.75	-57.406052	25.169720	10.608803				

NOVEMBER 1979

DAY	X	Y	Z	DAY	X	Y	Z
1.00	56.731664	-5.429194	-3.989340	16.00	-61.993336	-10.696709	-1.216618
1.25	56.991486	-1.976919	-2.825137	16.25	-61.251894	-13.750450	-2.289843
1.50	57.030089	1.484468	-1.649277	16.50	-60.331691	-16.765690	-3.357192
1.75	56.847149	4.941484	-0.466324	16.75	-59.234558	-19.733371	-4.415505
2.00	56.443347	8.380639	0.719118	17.00	-57.962818	-22.644461	-5.461611
2.25	55.820377	11.788520	1.902428	17.25	-56.519289	-25.489972	-6.492330
2.50	54.980938	15.151865	3.079001	17.50	-54.907296	-28.260981	-7.504489
2.75	53.928715	18.457650	4.244271	17.75	-53.130680	-30.948661	-8.494919
3.00	52.668358	21.693163	5.393741	18.00	-51.193798	-33.544305	-9.460474
3.25	51.205447	24.846080	6.523010	18.25	-49.101534	-36.039352	-10.398035
3.50	49.546451	27.904537	7.627796	18.50	-46.859299	-38.425418	-11.304521
3.75	47.698677	30.857195	8.703963	18.75	-44.473027	-40.694332	-12.176900
4.00	45.670218	33.693301	9.747545	19.00	-41.949182	-42.838158	-13.012201
4.25	43.469887	36.402742	10.754763	19.25	-39.294746	-44.849239	-13.807521
4.50	41.107153	38.976091	11.722044	19.50	-36.517215	-46.720224	-14.560044
4.75	38.592068	41.404645	12.646039	19.75	-33.624588	-48.444106	-15.267050
5.00	35.935198	43.680455	13.523636	20.00	-30.625354	-50.014257	-15.925924
5.25	33.147545	45.796353	14.351967	20.25	-27.528475	-51.424461	-16.534173
5.50	30.240476	47.745960	15.128422	20.50	-24.343368	-52.668948	-17.089440
5.75	27.225647	49.523701	15.850648	20.75	-21.079878	-53.742434	-17.589510
6.00	24.114930	51.124799	16.516556	21.00	-17.748256	-54.640143	-18.032328
6.25	20.920348	52.545274	17.124322	21.25	-14.359126	-55.357850	-18.416010
6.50	17.654008	53.781925	17.672381	21.50	-10.923454	-55.891901	-18.738852
6.75	14.328035	54.832320	18.159431	21.75	-7.452512	-56.239248	-18.999343
7.00	10.954522	55.694765	18.584419	22.00	-3.957838	-56.397469	-19.196176
7.25	7.545472	56.368288	18.946540	22.25	-0.451198	-56.364796	-19.328257
7.50	4.112753	56.852603	19.245228	22.50	3.055461	-56.140129	-19.394710
7.75	0.668054	57.148083	19.480149	22.75	6.550057	-55.723058	-19.394890
8.00	-2.777150	57.255725	19.651185	23.00	10.020415	-55.113877	-19.328389
8.25	-6.211633	57.177121	19.758431	23.25	13.454323	-54.313591	-19.195039
8.50	-9.624445	56.914419	19.802185	23.50	16.839575	-53.323925	-18.994917
8.75	-13.004936	56.470294	19.782930	23.75	20.164028	-52.147328	-18.728352
9.00	-16.342774	55.847911	19.701330	24.00	23.415651	-50.786976	-18.395921
9.25	-19.627964	55.050896	19.558220	24.25	26.582577	-49.246760	-17.998459
9.50	-22.850859	54.083304	19.354590	24.50	29.653153	-47.531291	-17.537048
9.75	-26.002169	52.949589	19.091584	24.75	32.615994	-45.645879	-17.013025
10.00	-29.072968	51.654575	18.770484	25.00	35.460033	-43.596526	-16.427975
10.25	-32.054703	50.203436	18.392704	25.25	38.174571	-41.389906	-15.783727
10.50	-34.939192	48.601663	17.959782	25.50	40.749327	-39.033344	-15.082351
10.75	-37.718629	46.855049	17.473371	25.75	43.174483	-36.534793	-14.326150
11.00	-40.385583	44.969662	16.935236	26.00	45.440734	-33.902810	-13.517655
11.25	-42.933003	42.951831	16.347242	26.25	47.539330	-31.146518	-12.659615
11.50	-45.354209	40.808128	15.711354	26.50	49.462121	-28.275583	-11.754987
11.75	-47.642897	38.545350	15.029625	26.75	51.201598	-25.300168	-10.806928
12.00	-49.793141	36.170504	14.304199	27.00	52.750926	-22.230902	-9.818781
12.25	-51.799382	33.690799	13.537299	27.25	54.103989	-19.078834	-8.794062
12.50	-53.656441	31.113630	12.731230	27.50	55.255416	-15.855388	-7.736449
12.75	-55.359507	28.446569	11.888368	27.75	56.200613	-12.572317	-6.649763
13.00	-56.904147	25.697352	11.011165	28.00	56.935793	-9.241656	-5.537958
13.25	-58.286302	22.873875	10.102139	28.25	57.457994	-5.875666	-4.405097
13.50	-59.502293	19.984181	9.163874	28.50	57.765105	-2.486780	-3.255342
13.75	-60.548820	17.036452	8.199019	28.75	57.855877	0.912447	-2.092929
14.00	-61.422973	14.039002	7.210281	29.00	57.729932	4.309405	-0.922154
14.25	-62.122229	11.000268	6.200427	29.25	57.387775	7.691479	0.252650
14.50	-62.644463	7.928799	5.172277	29.50	56.830795	11.046112	1.427132
14.75	-62.987955	4.833252	4.128706	29.75	56.061256	14.360868	2.596945
15.00	-63.151396	1.722376	3.072637	30.00	55.082292	17.623489	3.757763
15.25	-63.133895	-1.394995	2.007038	30.25	53.897893	20.821953	4.905310
15.50	-62.934992	-4.509952	0.934923	30.50	52.512886	23.944539	6.035371
15.75	-62.554664	-7.613528	-0.140658	30.75	50.932905	26.979879	7.143820

DECEMBER 1979

DAY	X	Y	Z	DAY	X	Y	Z
1.00	49.164365	29.917015	8.226639	17.00	-34.822553	-47.541901	-14.824543
1.25	47.214425	32.745453	9.279932	17.25	-31.844789	-49.146259	-15.509864
1.50	45.090946	35.455211	10.299953	17.50	-28.762839	-50.592198	-16.145530
1.75	42.802449	38.036863	11.283116	17.75	-25.585945	-51.873511	-16.728996
2.00	40.358059	40.481586	12.226014	18.00	-22.323846	-52.984443	-17.257848
2.25	37.767459	42.781191	13.125433	18.25	-18.986761	-53.919726	-17.729818
2.50	35.040830	44.928157	13.978366	18.50	-15.585365	-54.674628	-18.142798
2.75	32.188794	46.915659	14.782027	18.75	-12.130755	-55.244989	-18.494860
3.00	29.222352	48.737585	15.533854	19.00	-8.634423	-55.627262	-18.784263
3.25	26.152822	50.388558	16.231524	19.25	-5.108210	-55.818549	-19.009476
3.50	22.991781	51.863938	16.872956	19.50	-1.564265	-55.816641	-19.169188
3.75	19.751000	53.159832	17.456313	19.75	1.985002	-55.620044	-19.262321
4.00	16.442386	54.273090	17.980007	20.00	5.526979	-55.228010	-19.288043
4.25	13.077919	55.201302	18.442701	20.25	9.048901	-54.640561	-19.245780
4.50	9.669601	55.942783	18.843303	20.50	12.537917	-53.858509	-19.135222
4.75	6.229398	56.496560	19.180967	20.75	15.981150	-52.883469	-18.956334
5.00	2.769191	56.862354	19.455085	21.00	19.365763	-51.717864	-18.709360
5.25	-0.699271	57.040554	19.665286	21.25	22.679028	-50.364935	-18.394829
5.50	-4.164416	57.032197	19.811425	21.50	25.908388	-48.828730	-18.013552
5.75	-7.614888	56.838933	19.893577	21.75	29.041532	-47.114098	-17.566630
6.00	-11.039583	56.463005	19.912030	22.00	32.066458	-45.226672	-17.055442
6.25	-14.427679	55.907209	19.867272	22.25	34.971538	-43.172849	-16.481648
6.50	-17.768666	55.174867	19.759985	22.50	37.745583	-40.959760	-15.847180
6.75	-21.052367	54.269795	19.591033	22.75	40.377901	-38.595239	-15.154232
7.00	-24.268961	53.196269	19.361454	23.00	42.858356	-36.087785	-14.405253
7.25	-27.409000	51.958995	19.072445	23.25	45.177419	-33.446520	-13.602931
7.50	-30.463418	50.563077	18.725359	23.50	47.326218	-30.681142	-12.750184
7.75	-33.423545	49.013989	18.321690	23.75	49.296578	-27.801876	-11.850142
8.00	-36.281115	47.317542	17.863065	24.00	51.081065	-24.819425	-10.906130
8.25	-39.028270	45.479861	17.351237	24.25	52.673013	-21.744909	-9.921655
8.50	-41.657563	43.507360	16.788071	24.50	54.066559	-18.589816	-8.900384
8.75	-44.161963	41.406710	16.175543	24.75	55.256658	-15.365938	-7.846127
9.00	-46.534851	39.184826	15.515727	25.00	56.239107	-12.085319	-6.762820
9.25	-48.770023	36.848841	14.810789	25.25	57.010555	-8.760193	-5.654501
9.50	-50.861685	34.406086	14.062981	25.50	57.568510	-5.402928	-4.525296
9.75	-52.804454	31.864078	13.274636	25.75	57.911345	-2.025967	-3.379393
10.00	-54.593354	29.230496	12.448161	26.00	58.038291	1.358228	-2.221031
10.25	-56.223812	26.513172	11.586032	26.25	57.949437	4.737228	-1.054473
10.50	-57.691660	23.720076	10.690789	26.50	57.645716	8.098697	0.116008
10.75	-58.993127	20.859307	9.765033	26.75	57.128896	11.430440	1.286152
11.00	-60.124842	17.939075	8.811423	27.00	56.401556	14.720453	2.451723
11.25	-61.083832	14.967698	7.832671	27.25	55.467073	17.956975	3.608534
11.50	-61.867521	11.953588	6.831537	27.50	54.329592	21.128530	4.752459
11.75	-62.473729	8.905246	5.810832	27.75	52.994004	24.223977	5.879453
12.00	-62.900677	5.831251	4.773409	28.00	51.465915	27.232546	6.985564
12.25	-63.146989	2.740251	3.722164	28.25	49.751614	30.143880	8.066950
12.50	-63.211691	-0.359040	2.660032	28.50	47.858037	32.948075	9.119895
12.75	-63.094222	-3.457858	1.589986	28.75	45.792736	35.635709	10.140818
13.00	-62.794435	-6.547390	0.515031	29.00	43.563834	38.197879	11.126289
13.25	-62.312606	-9.618791	-0.561795	29.25	41.179989	40.626227	12.073043
13.50	-61.649440	-12.663187	-1.637425	29.50	38.650348	42.912965	12.977983
13.75	-60.806080	-15.671690	-2.708770	29.75	35.984510	45.050905	13.838200
14.00	-59.784117	-18.635411	-3.772716	30.00	33.192474	47.033469	14.650972
14.25	-58.585599	-21.545471	-4.826135	30.25	30.284595	48.854716	15.413781
14.50	-57.213041	-24.393018	-5.865886	30.50	27.271542	50.509348	16.124315
14.75	-55.669434	-27.169243	-6.888820	30.75	24.164243	51.992726	16.780472
15.00	-53.958260	-29.865401	-7.891789	31.00	20.973844	53.300874	17.380370
15.25	-52.083497	-32.472829	-8.871649	31.25	17.711658	54.430483	17.922346
15.50	-50.049632	-34.982972	-9.825269	31.50	14.389117	55.378914	18.404962
15.75	-47.861670	-37.387403	-10.749541	31.75	11.017730	56.144193	18.827004
16.00	-45.525139	-39.677859	-11.641385				
16.25	-43.046098	-41.846262	-12.497762				
16.50	-40.431143	-43.884756	-13.315686				
16.75	-37.687405	-45.785739	-14.092230				

JANUARY 1980

DAY	X	Y	Z	DAY	X	Y	Z
1.00	7.609032	56.725007	19.187481	17.00	13.747147	-53.105202	-18.930565
1.25	4.174540	57.120693	19.485627	17.25	17.179363	-51.992463	-18.716867
1.50	0.725715	57.331227	19.720897	17.50	20.548382	-50.686869	-18.433945
1.75	-2.726086	57.357213	19.892966	17.75	23.840948	-49.191849	-18.082324
2.00	-6.169646	57.199859	20.001722	18.00	27.043938	-47.511726	-17.662844
2.25	-9.593925	56.860963	20.047263	18.25	30.144458	-45.651716	-17.176658
2.50	-12.988097	56.342891	20.029891	18.50	33.129915	-43.617921	-16.625242
2.75	-16.341578	55.648552	19.950107	18.75	35.988109	-41.417308	-16.010383
3.00	-19.644062	54.781375	19.808599	19.00	38.707312	-39.057683	-15.334180
3.25	-22.885543	53.745281	19.606242	19.25	41.276348	-36.547653	-14.599035
3.50	-26.056342	52.544660	19.344083	19.50	43.684671	-33.896583	-13.807638
3.75	-29.147123	51.184339	19.023337	19.75	45.922432	-31.114542	-12.962956
4.00	-32.148922	49.669557	18.645376	20.00	47.980550	-28.212245	-12.068214
4.25	-35.053152	48.005938	18.211721	20.25	49.850763	-25.200989	-11.126877
4.50	-37.851625	46.199460	17.724035	20.50	51.525682	-22.092577	-10.142625
4.75	-40.536556	44.256431	17.184108	20.75	52.998830	-18.899253	-9.119334
5.00	-43.100578	42.183459	16.593858	21.00	54.264676	-15.633613	-8.061050
5.25	-45.536746	39.987431	15.955315	21.25	55.318657	-12.308538	-6.971959
5.50	-47.838539	37.675482	15.270613	21.50	56.157191	-8.937106	-5.856367
5.75	-49.999868	35.254977	14.541985	21.75	56.777690	-5.532519	-4.718668
6.00	-52.015077	32.733483	13.771757	22.00	57.178546	-2.108022	-3.563322
6.25	-53.878938	30.118752	12.962334	22.25	57.359132	1.323167	-2.394824
6.50	-55.586657	27.418697	12.116197	22.50	57.319777	4.747934	-1.217685
6.75	-57.133868	24.641375	11.235899	22.75	57.061744	8.153328	-0.036401
7.00	-58.516633	21.794971	10.324054	23.00	56.587204	11.526633	1.144563
7.25	-59.731439	18.887778	9.383335	23.25	55.899198	14.855419	2.320802
7.50	-60.775194	15.928186	8.416467	23.50	55.001600	18.127601	3.487984
7.75	-61.645226	12.924664	7.426220	23.75	53.899076	21.331479	4.641874
8.00	-62.339278	9.885750	6.415412	24.00	52.597038	24.455793	5.778346
8.25	-62.855509	6.820038	5.386895	24.25	51.101602	27.489750	6.893405
8.50	-63.192489	3.736167	4.343558	24.50	49.419537	30.423062	7.983191
8.75	-63.349197	0.642812	3.288322	24.75	47.558220	33.245978	9.044003
9.00	-63.325025	-2.451329	2.224135	25.00	45.525586	35.949303	10.072300
9.25	-63.119773	-5.537539	1.153971	25.25	43.330078	38.524422	11.064714
9.50	-62.733651	-8.607098	0.080825	25.50	40.980607	40.963315	12.018061
9.75	-62.167285	-11.651286	-0.992288	25.75	38.486496	43.258571	12.929342
10.00	-61.421714	-14.661395	-2.062339	26.00	35.857438	45.403400	13.795754
10.25	-60.498395	-17.628738	-3.126283	26.25	33.103452	47.391637	14.614690
10.50	-59.399212	-20.544659	-4.181068	26.50	30.234836	49.217749	15.383748
10.75	-58.126476	-23.400544	-5.223633	26.75	27.262128	50.876837	16.100730
11.00	-56.682934	-26.187831	-6.250916	27.00	24.196059	52.364634	16.763644
11.25	-55.071777	-28.898025	-7.259855	27.25	21.047518	53.677507	17.370707
11.50	-53.296646	-31.522709	-8.247394	27.50	17.827509	54.812450	17.920348
11.75	-51.361642	-34.053564	-9.210486	27.75	14.547115	55.767079	18.411201
12.00	-49.271331	-36.482380	-10.146100	28.00	11.217462	56.539626	18.842110
12.25	-47.030760	-38.801083	-11.051228	28.25	7.849679	57.128929	19.212128
12.50	-44.645457	-41.001749	-11.922890	28.50	4.454868	57.534425	19.520510
12.75	-42.121446	-43.076630	-12.758141	28.75	1.044072	57.756135	19.766719
13.00	-39.465250	-45.018184	-13.554083	29.00	-2.371763	57.794653	19.950415
13.25	-36.683900	-46.819094	-14.307869	29.25	-5.781813	57.651132	20.071456
13.50	-33.784938	-48.472309	-15.016720	29.50	-9.175408	57.327268	20.129894
13.75	-30.776421	-49.971071	-15.677929	29.75	-12.542060	56.825288	20.125972
14.00	-27.666921	-51.308953	-16.288879	30.00	-15.871488	56.147926	20.060115
14.25	-24.465518	-52.479893	-16.847053	30.25	-19.153646	55.298412	19.932931
14.50	-21.181802	-53.478244	-17.350050	30.50	-22.378746	54.280447	19.745201
14.75	-17.825857	-54.298802	-17.795597	30.75	-25.537279	53.098187	19.497875
15.00	-14.408246	-54.936864	-18.181568	31.00	-28.620040	51.756220	19.192067
15.25	-10.939995	-55.388263	-18.505999	31.25	-31.618142	50.259546	18.829046
15.50	-7.432564	-55.649415	-18.767102	31.50	-34.523037	48.613557	18.410233
15.75	-3.897819	-55.717367	-18.963288	31.75	-37.326536	46.824010	17.937192
16.00	-0.347994	-55.589839	-19.093178				
16.25	3.204352	-55.265266	-19.155623				
16.50	6.746386	-54.742842	-19.149719				
16.75	10.265055	-54.022550	-19.074822				

FEBRUARY 1980

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-40.020815	44.897009	17.411622	15.00	33.557369	-43.085544	-16.449987
1.25	-42.598435	42.838978	16.835353	15.25	36.352528	-40.793412	-15.806314
1.50	-45.052354	40.656644	16.210336	15.50	39.006310	-38.341393	-15.100765
1.75	-47.375931	38.357007	15.538635	15.75	41.507112	-35.738090	-14.335698
2.00	-49.562939	35.947325	14.822426	16.00	43.843911	-32.992962	-13.513793
2.25	-51.607573	33.435083	14.063980	16.25	46.006349	-30.116278	-12.638043
2.50	-53.504452	30.827979	13.265664	16.50	47.984827	-27.119067	-11.711735
2.75	-55.248624	28.133898	12.429929	16.75	49.770577	-24.013054	-10.738443
3.00	-56.835572	25.360891	11.559304	17.00	51.355740	-20.810588	-9.721995
3.25	-58.261213	22.517157	10.656393	17.25	52.733427	-17.524561	-8.666455
3.50	-59.521900	19.611021	9.723861	17.50	53.897774	-14.168322	-7.576097
3.75	-60.614421	16.650915	8.764434	17.75	54.843988	-10.755584	-6.455372
4.00	-61.536001	13.645364	7.780890	18.00	55.568372	-7.300327	-5.308879
4.25	-62.284296	10.602962	6.776052	18.25	56.068347	-3.816700	-4.141331
4.50	-62.857397	7.532361	5.752787	18.50	56.342460	-0.318922	-2.957523
4.75	-63.253822	4.442255	4.713993	18.75	56.390376	3.178812	-1.762296
5.00	-63.472518	1.341360	3.662601	19.00	56.212861	6.662430	-0.560506
5.25	-63.512856	-1.761592	2.601567	19.25	55.811759	10.118068	0.643008
5.50	-63.374630	-4.857875	1.533867	19.50	55.189946	13.532160	1.843456
5.75	-63.058054	-7.938774	0.462492	19.75	54.351294	16.891508	3.036124
6.00	-62.563760	-10.995601	-0.609553	20.00	53.300612	20.183359	4.216402
6.25	-61.892795	-14.019709	-1.679257	20.25	52.043589	23.395461	5.379811
6.50	-61.046622	-17.002498	-2.743605	20.50	50.586732	26.516125	6.522016
6.75	-60.027119	-19.935429	-3.799581	20.75	48.937299	29.534262	7.638856
7.00	-58.836575	-22.810035	-4.844174	21.00	47.103233	32.439426	8.726352
7.25	-57.477697	-25.617934	-5.874380	21.25	45.093089	35.221843	9.780725
7.50	-55.953606	-28.350836	-6.887206	21.50	42.915971	37.872433	10.798406
7.75	-54.267838	-31.000558	-7.879676	21.75	40.581463	40.382827	11.776044
8.00	-52.424351	-33.559035	-8.848831	22.00	38.099561	42.745374	12.710513
8.25	-50.427525	-36.018333	-9.791737	22.25	35.480615	44.953148	13.598918
8.50	-48.282165	-38.370666	-10.705489	22.50	32.735268	46.999946	14.438596
8.75	-45.993509	-40.608404	-11.587213	22.75	29.874395	48.880282	15.227118
9.00	-43.567223	-42.724098	-12.434075	23.00	26.909058	50.589379	15.962288
9.25	-41.009418	-44.710491	-13.243286	23.25	23.850448	52.123160	16.642142
9.50	-38.326642	-46.560540	-14.012106	23.50	20.709846	53.478229	17.264945
9.75	-35.525896	-48.267439	-14.737855	23.75	17.498574	54.651859	17.829190
10.00	-32.614625	-49.824639	-15.417917	24.00	14.227961	55.641972	18.333591
10.25	-29.600732	-51.225876	-16.049750	24.25	10.909304	56.447125	18.777079
10.50	-26.492573	-52.465195	-16.630898	24.50	7.553835	57.066484	19.158801
10.75	-23.298959	-53.536985	-17.158996	24.75	4.172688	57.499810	19.478109
11.00	-20.029153	-54.436006	-17.631784	25.00	0.776877	57.747437	19.734559
11.25	-16.692868	-55.157428	-18.047120	25.25	-2.622735	57.810251	19.927901
11.50	-13.300258	-55.696861	-18.402992	25.50	-6.015458	57.689671	20.058080
11.75	-9.861904	-56.050400	-18.697528	25.75	-9.390798	57.387631	20.125225
12.00	-6.388807	-56.214662	-18.929017	26.00	-12.738477	56.906555	20.129643
12.25	-2.892361	-56.186829	-19.095920	26.25	-16.048450	56.249343	20.071818
12.50	0.615667	-55.964686	-19.196887	26.50	-19.310924	55.419350	19.952401
12.75	4.123169	-55.546671	-19.230769	26.75	-22.516376	54.420365	19.772205
13.00	7.617731	-54.931912	-19.196645	27.00	-25.655566	53.256596	19.532203
13.25	11.086675	-54.120272	-19.093827	27.25	-28.719551	51.932647	19.233516
13.50	14.517108	-53.112387	-18.921882	27.50	-31.699703	50.453503	18.877413
13.75	17.895980	-51.909705	-18.680647	27.75	-34.587715	48.824512	18.465304
14.00	21.210142	-50.514518	-18.370243	28.00	-37.375619	47.051363	17.998731
14.25	24.446418	-48.929991	-17.991088	28.25	-40.055794	45.140072	17.479368
14.50	27.591679	-47.160185	-17.543909	28.50	-42.620978	43.096962	16.909011
14.75	30.632925	-45.210072	-17.029752	28.75	-45.064278	40.928646	16.289575
				29.00	-47.379179	38.642005	15.623084
				29.25	-49.559552	36.244175	14.911673
				29.50	-51.599665	33.742526	14.157573
				29.75	-53.494186	31.144646	13.363112

MARCH 1980

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-55.238192	28.458317	12.530706	17.00	55.897767	0.261029	-2.714373
1.25	-56.827176	25.691503	11.662855	17.25	55.836941	3.790270	-1.498385
1.50	-58.257049	22.852328	10.762133	17.50	55.547423	7.303598	-0.276254
1.75	-59.524146	19.949062	9.831187	17.75	55.030888	10.786507	0.946951
2.00	-60.625233	16.990096	8.872728	18.00	54.290161	14.224727	2.166183
2.25	-61.557502	13.983928	7.889525	18.25	53.329185	17.604321	3.376450
2.50	-62.318582	10.939148	6.884399	18.50	52.152972	20.911778	4.572853
2.75	-62.906535	7.864412	5.860221	18.75	50.767547	24.134095	5.750617
3.00	-63.319856	4.768434	4.819898	19.00	49.179879	27.258859	6.905119
3.25	-63.557481	1.659961	3.766375	19.25	47.397813	30.274307	8.031917
3.50	-63.618776	-1.452238	2.702625	19.50	45.429987	33.169388	9.126771
3.75	-63.503544	-4.559394	1.631644	19.75	43.285750	35.933806	10.185665
4.00	-63.212023	-7.652749	0.556446	20.00	40.975079	38.558056	11.204823
4.25	-62.744878	-10.723576	-0.519944	20.25	38.508492	41.033452	12.180722
4.50	-62.103206	-13.763194	-1.594493	20.50	35.896967	43.352140	13.110100
4.75	-61.288533	-16.762981	-2.664167	20.75	33.151855	45.507109	13.989969
5.00	-60.302805	-19.714389	-3.725937	21.00	30.284806	47.492188	14.817610
5.25	-59.148395	-22.608964	-4.776783	21.25	27.307691	49.302040	15.590582
5.50	-57.828090	-25.438352	-5.813697	21.50	24.232535	50.932146	16.306716
5.75	-56.345096	-28.194320	-6.833694	21.75	21.071446	52.378791	16.964116
6.00	-54.703034	-30.868766	-7.833809	22.00	17.836563	53.639039	17.561150
6.25	-52.905933	-33.453738	-8.811110	22.25	14.539996	54.710702	18.096445
6.50	-50.958231	-35.941441	-9.762697	22.50	11.193781	55.592322	18.568884
6.75	-48.864773	-38.324256	-10.685709	22.75	7.809831	56.283128	18.977591
7.00	-46.630806	-40.594755	-11.577330	23.00	4.399905	56.783017	19.321927
7.25	-44.261981	-42.745714	-12.434793	23.25	0.975568	57.092513	19.601478
7.50	-41.764344	-44.770126	-13.255387	23.50	-2.451837	57.212737	19.816050
7.75	-39.144345	-46.661224	-14.036458	23.75	-5.871212	57.145381	19.965652
8.00	-36.408822	-48.412490	-14.775423	24.00	-9.271727	56.892670	20.050494
8.25	-33.565013	-50.017679	-15.469769	24.25	-12.642843	56.457336	20.070975
8.50	-30.620542	-51.470832	-16.117060	24.50	-15.974319	55.842588	20.027671
8.75	-27.583426	-52.766299	-16.714951	24.75	-19.256235	55.052087	19.921332
9.00	-24.462062	-53.898763	-17.261185	25.00	-22.478995	54.089915	19.752869
9.25	-21.265232	-54.863255	-17.753610	25.25	-25.633342	52.960557	19.523347
9.50	-18.002093	-55.655186	-18.190183	25.50	-28.710365	51.668871	19.233980
9.75	-14.682168	-56.270364	-18.568978	25.75	-31.701504	50.220068	18.886120
10.00	-11.315346	-56.705029	-18.888201	26.00	-34.598560	48.619694	18.481254
10.25	-7.911864	-56.955877	-19.146193	26.25	-37.393694	46.873607	18.020992
10.50	-4.482298	-57.020090	-19.341448	26.50	-40.079438	44.987959	17.507068
10.75	-1.037548	-56.895368	-19.472620	26.75	-42.648697	42.969177	16.941327
11.00	2.411182	-56.579964	-19.538536	27.00	-45.094751	40.823949	16.325726
11.25	5.852405	-56.072713	-19.538211	27.25	-47.411263	38.559204	15.662324
11.50	9.274377	-55.373068	-19.470857	27.50	-49.592280	36.182100	14.953276
11.75	12.665129	-54.481136	-19.335901	27.75	-51.632238	33.700004	14.200833
12.00	16.012503	-53.397710	-19.132995	28.00	-53.525964	31.120481	13.407333
12.25	19.304190	-52.124305	-18.862029	28.25	-55.268683	28.451279	12.575197
12.50	22.527778	-50.663186	-18.523150	28.50	-56.856020	25.700312	11.706924
12.75	25.670807	-49.017400	-18.116769	28.75	-58.284005	22.875647	10.805090
13.00	28.720822	-47.190804	-17.643574	29.00	-59.549074	19.985488	9.872335
13.25	31.665443	-45.188084	-17.104543	29.25	-60.648076	17.038165	8.911367
13.50	34.492429	-43.014775	-16.500955	29.50	-61.578277	14.042115	7.924952
13.75	37.189758	-40.677273	-15.834392	29.75	-62.337360	11.005868	6.915908
14.00	39.745702	-38.182836	-15.106750	30.00	-62.923432	7.938035	5.887107
14.25	42.148914	-35.539585	-14.320240	30.25	-63.335025	4.847288	4.841461
14.50	44.388514	-32.756489	-13.477388	30.50	-63.571102	1.742347	3.781922
14.75	46.454176	-29.843343	-12.581032	30.75	-63.631053	-1.368037	2.711477
15.00	48.336220	-26.810737	-11.634318	31.00	-63.514706	-4.475097	1.633139
15.25	50.025692	-23.670012	-10.640685	31.25	-63.222320	-7.570069	0.549945
15.50	51.514460	-20.433210	-9.603854	31.50	-62.754592	-10.644204	-0.535052
15.75	52.795280	-17.113004	-8.527813	31.75	-62.112657	-13.688791	-1.618789
16.00	53.861878	-13.722632	-7.416786				
16.25	54.709013	-10.275806	-6.275221				
16.50	55.332530	-6.786629	-5.107748				
16.75	55.729402	-3.269491	-3.919161				

APRIL

1980

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-61.298082	-16.695170	-2.698197	16.00	44.668254	33.462574	9.355540
1.25	-60.312876	-19.654750	-3.770206	16.25	42.416415	36.186515	10.417348
1.50	-59.159480	-22.559028	-4.831758	16.50	39.997892	38.767181	11.438086
1.75	-57.840768	-25.399605	-5.879804	16.75	37.423498	41.195430	12.414022
2.00	-56.360048	-28.168204	-6.911316	17.00	34.704608	43.462981	13.341689
2.25	-54.721051	-30.856687	-7.923291	17.25	31.853063	45.562440	14.217907
2.50	-52.927937	-33.457074	-8.912758	17.50	28.881085	47.487315	15.039786
2.75	-50.985285	-35.961561	-9.876786	17.75	25.801187	49.232018	15.804733
3.00	-48.898087	-38.362537	-10.812486	18.00	22.626085	50.791859	16.510459
3.25	-46.671749	-40.652599	-11.717023	18.25	19.368624	52.163039	17.154973
3.50	-44.312076	-42.824575	-12.587617	18.50	16.041693	53.342626	17.736585
3.75	-41.825276	-44.871539	-13.421553	18.75	12.658163	54.328531	18.253896
4.00	-39.217942	-46.786828	-14.216186	19.00	9.230816	55.119478	18.705794
4.25	-36.497055	-48.564060	-14.968949	19.25	5.772294	55.714969	19.091443
4.50	-33.669968	-50.197155	-15.677359	19.50	2.295041	56.115247	19.410275
4.75	-30.744399	-51.680348	-16.339022	19.75	-1.188738	56.321256	19.661977
5.00	-27.728425	-53.008213	-16.951642	20.00	-4.667118	56.334604	19.846481
5.25	-24.630470	-54.175677	-17.513028	20.25	-8.128486	56.157519	19.963948
5.50	-21.459292	-55.178041	-18.021099	20.50	-11.561567	55.792809	20.014759
5.75	-18.223976	-56.011001	-18.473894	20.75	-14.955453	55.243824	19.999504
6.00	-14.933918	-56.670661	-18.869578	21.00	-18.299616	54.514416	19.918962
6.25	-11.598813	-57.153564	-19.206448	21.25	-21.583921	53.608902	19.774098
6.50	-8.228643	-57.456700	-19.482947	21.50	-24.798643	52.532028	19.566045
6.75	-4.833654	-57.577538	-19.697662	21.75	-27.934472	51.288940	19.296097
7.00	-1.424348	-57.514041	-19.849344	22.00	-30.982514	49.885144	18.965694
7.25	1.988542	-57.264689	-19.936907	22.25	-33.934302	48.326486	18.576418
7.50	5.394074	-56.828503	-19.959443	22.50	-36.781792	46.619119	18.129978
7.75	8.781116	-56.205067	-19.916227	22.75	-39.517363	44.769480	17.628205
8.00	12.138373	-55.394550	-19.806729	23.00	-42.133822	42.784266	17.073040
8.25	15.454417	-54.397729	-19.630624	23.25	-44.624395	40.670412	16.466532
8.50	18.717719	-53.216012	-19.387797	23.50	-46.982730	38.435073	15.810828
8.75	21.916679	-51.851457	-19.078357	23.75	-49.202894	36.085602	15.108165
9.00	25.039670	-50.306799	-18.702645	24.00	-51.279369	33.629540	14.360868
9.25	28.075075	-48.585463	-18.261241	24.25	-53.207052	31.074593	13.571340
9.50	31.011335	-46.691587	-17.754975	24.50	-54.981251	28.428620	12.742062
9.75	33.836999	-44.630033	-17.184937	24.75	-56.597686	25.699624	11.875583
10.00	36.540776	-42.406040	-16.552475	25.00	-58.052487	22.895730	10.974521
10.25	39.111595	-40.027048	-15.859213	25.25	-59.342194	20.025179	10.041553
10.50	41.538663	-37.499067	-15.107048	25.50	-60.463756	17.096317	9.079414
10.75	43.811533	-34.830316	-14.298157	25.75	-61.414531	14.117576	8.090895
11.00	45.920170	-32.029396	-13.434996	26.00	-62.192289	11.097470	7.078833
11.25	47.855025	-29.105640	-12.520301	26.25	-62.795213	8.044579	6.046114
11.50	49.607102	-26.069095	-11.557084	26.50	-63.221900	4.967539	4.995663
11.75	51.168039	-22.930500	-10.548629	26.75	-63.471363	1.875026	3.930444
12.00	52.530171	-19.701238	-9.498482	27.00	-63.543035	-1.224250	2.853454
12.25	53.686612	-16.393306	-8.410441	27.25	-63.436772	-4.321563	1.767720
12.50	54.631319	-13.019253	-7.288540	27.50	-63.152853	-7.408185	0.676291
12.75	55.359160	-9.592124	-6.137030	27.75	-62.691987	-10.475396	-0.417761
13.00	55.865969	-6.125387	-4.960362	28.00	-62.055311	-13.514502	-1.511351
13.25	56.148605	-2.632857	-3.763162	28.25	-61.244399	-16.516851	-2.601385
13.50	56.204996	0.871386	-2.550200	28.50	-60.261257	-19.473844	-3.684764
13.75	56.034167	4.373089	-1.326365	28.75	-59.108331	-22.376959	-4.758390
14.00	55.636276	7.857926	-0.096631	29.00	-57.788505	-25.217763	-5.819174
14.25	55.012616	11.311588	1.133975	29.25	-56.305102	-27.987934	-6.864039
14.50	54.165624	14.719889	2.360410	29.50	-54.661887	-30.679277	-7.889931
14.75	53.098865	18.068863	3.577645	29.75	-52.863062	-33.283745	-8.893822
15.00	51.817007	21.344865	4.780709	30.00	-50.913266	-35.793458	-9.872717
15.25	50.325786	24.534664	5.964715	30.25	-48.817574	-38.200725	-10.823665
15.50	48.631960	27.625532	7.124900	30.50	-46.581489	-40.498065	-11.743763
15.75	46.743245	30.605329	8.256651	30.75	-44.210943	-42.678227	-12.630166

MAY

1980

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-41.712282	-44.734212	-13.480093	17.00	0.948784	55.654902	19.525103
1.25	-39.092267	-46.659296	-14.290836	17.25	-2.580098	55.754422	19.753180
1.50	-36.358060	-48.447049	-15.059767	17.50	-6.098512	55.660029	19.912712
1.75	-33.517215	-50.091362	-15.784350	17.75	-9.594401	55.374153	20.003882
2.00	-30.577666	-51.586465	-16.462144	18.00	-13.056060	54.899863	20.027120
2.25	-27.547715	-52.926947	-17.090814	18.25	-16.472171	54.240822	19.983081
2.50	-24.436014	-54.107784	-17.668140	18.50	-19.831832	53.401245	19.872637
2.75	-21.251555	-55.124354	-18.192024	18.75	-23.124572	52.385851	19.696861
3.00	-18.003646	-55.972461	-18.660499	19.00	-26.340378	51.199828	19.457014
3.25	-14.701898	-56.648354	-19.071736	19.25	-29.469699	49.848786	19.154528
3.50	-11.356200	-57.148748	-19.424053	19.50	-32.503462	48.338724	18.791001
3.75	-7.976701	-57.470841	-19.715923	19.75	-35.433071	46.675988	18.368175
4.00	-4.573786	-57.612338	-19.945980	20.00	-38.250414	44.867239	17.887932
4.25	-1.158050	-57.571462	-20.113031	20.25	-40.947862	42.919423	17.352276
4.50	2.259725	-57.346975	-20.216058	20.50	-43.518265	40.839735	16.763329
4.75	5.668600	-56.938196	-20.254230	20.75	-45.954953	38.635599	16.123317
5.00	9.057506	-56.345014	-20.226905	21.00	-48.251725	36.314636	15.434560
5.25	12.415276	-55.567901	-20.133642	21.25	-50.402848	33.884645	14.699469
5.50	15.730674	-54.607931	-19.974205	21.50	-52.403052	31.353581	13.920532
5.75	18.992430	-53.466788	-19.748568	21.75	-54.247518	28.729534	13.100312
6.00	22.189278	-52.146780	-19.456925	22.00	-55.931877	26.020716	12.241438
6.25	25.309986	-50.650847	-19.099690	22.25	-57.452199	23.235441	11.346600
6.50	28.343402	-48.982569	-18.677507	22.50	-58.804994	20.382112	10.418542
6.75	31.278488	-47.146176	-18.191252	22.75	-59.987198	17.469208	9.460062
7.00	34.104368	-45.146549	-17.642036	23.00	-60.996176	14.505274	8.474002
7.25	36.810367	-42.989224	-17.031214	23.25	-61.829712	11.498906	7.463246
7.50	39.386060	-40.680394	-16.360377	23.50	-62.486011	8.458742	6.430719
7.75	41.821318	-38.226904	-15.631368	23.75	-62.963693	5.393453	5.379376
8.00	44.106358	-35.636245	-14.846268	24.00	-63.261790	2.311733	4.312209
8.25	46.231794	-32.916546	-14.007408	24.25	-63.379753	-0.777716	3.232233
8.50	48.188689	-30.076564	-13.117358	24.50	-63.317442	-3.866184	2.142491
8.75	49.968610	-27.125659	-12.178931	24.75	-63.075134	-6.944972	1.046044
9.00	51.563678	-24.073782	-11.195173	25.00	-62.653520	-10.005399	-0.054028
9.25	52.966625	-20.931443	-10.169362	25.25	-62.053709	-13.038814	-1.154631
9.50	54.170848	-17.709680	-9.104995	25.50	-61.277232	-16.036604	-2.252663
9.75	55.170463	-14.420023	-8.005782	25.75	-60.326040	-18.990213	-3.345013
10.00	55.960352	-11.074452	-6.875632	26.00	-59.202513	-21.891149	-4.428573
10.25	56.536219	-7.685348	-5.718638	26.25	-57.909459	-24.731002	-5.500236
10.50	56.894629	-4.265438	-4.539063	26.50	-56.450116	-27.501460	-6.556904
10.75	57.033057	-0.827736	-3.341320	26.75	-54.828160	-30.194320	-7.595494
11.00	56.949920	2.614518	-2.129952	27.00	-53.047705	-32.801513	-8.612943
11.25	56.644610	6.047936	-0.909607	27.25	-51.113301	-35.315116	-9.606215
11.50	56.117518	9.459047	0.314981	27.50	-49.029941	-37.727378	-10.572308
11.75	55.370053	12.834382	1.539025	27.75	-46.803061	-40.030734	-11.508259
12.00	54.404648	16.160552	2.757709	28.00	-44.438531	-42.217833	-12.411156
12.25	53.224761	19.424331	3.966216	28.25	-41.942666	-44.281557	-13.278143
12.50	51.834864	22.612738	5.159762	28.50	-39.322208	-46.215050	-14.106429
12.75	50.240429	25.713123	6.333622	28.75	-36.584334	-48.011735	-14.893298
13.00	48.447891	28.713243	7.483161	29.00	-33.736637	-49.665347	-15.636118
13.25	46.464615	31.601345	8.603863	29.25	-30.787124	-51.169956	-16.332350
13.50	44.298848	34.366239	9.691362	29.50	-27.744205	-52.519990	-16.979560
13.75	41.959663	36.997363	10.741465	29.75	-24.616672	-53.710268	-17.575424
14.00	39.456894	39.484850	11.750182	30.00	-21.413692	-54.736023	-18.117746
14.25	36.801068	41.819579	12.713744	30.25	-18.144783	-55.592925	-18.604460
14.50	34.003328	43.993223	13.628626	30.50	-14.819796	-56.277114	-19.033648
14.75	31.075354	45.998287	14.491565	30.75	-11.448889	-56.785219	-19.403542
15.00	28.029277	47.828137	15.299574	31.00	-8.042505	-57.114385	-19.712542
15.25	24.877601	49.477019	16.049954	31.25	-4.611340	-57.262294	-19.959220
15.50	21.633113	50.940071	16.740300	31.50	-1.166315	-57.271188	-20.142331
15.75	18.308803	52.213324	17.368511	31.75	2.281457	-57.007889	-20.260824
16.00	14.917782	53.293698	17.932787				
16.25	11.473201	54.178986	18.431633				
16.50	7.988186	54.867834	18.863854				
16.75	4.475759	55.359716	19.228549				

JUNE 1980

DAY	X	Y	Z	DAY	X	Y	Z
1.00	5.720707	-56.603817	-20.313847	16.00	-33.788237	47.186206	18.675076
1.25	9.140045	-56.015005	-20.300755	16.25	-36.681877	45.416832	18.221487
1.50	12.528001	-55.242112	-20.221123	16.50	-39.458339	43.504823	17.710744
1.75	15.873062	-54.286440	-20.074742	16.75	-42.109936	41.457442	17.144948
2.00	19.163718	-53.149935	-19.861635	17.00	-44.629490	39.282218	16.526324
2.25	22.388500	-51.835201	-19.582056	17.25	-47.010335	36.986917	15.857208
2.50	25.536030	-50.345499	-19.236494	17.50	-49.246313	34.579510	15.140040
2.75	28.595062	-48.684749	-18.825678	17.75	-51.331769	32.068143	14.377348
3.00	31.554530	-46.857529	-18.350578	18.00	-53.261550	29.461111	13.571746
3.25	34.403590	-44.869070	-17.812406	18.25	-55.030988	26.766838	12.725917
3.50	37.131672	-42.725247	-17.212616	18.50	-56.635903	23.993847	11.842611
3.75	39.728525	-40.432568	-16.552902	18.75	-58.072588	21.150750	10.924635
4.00	42.184260	-37.998163	-15.835200	19.00	-59.337802	18.246222	9.974847
4.25	44.489399	-35.429763	-15.061677	19.25	-60.428763	15.288989	8.996149
4.50	46.634921	-32.735684	-14.234735	19.50	-61.343139	12.287811	7.991481
4.75	48.612304	-29.924799	-13.356999	19.75	-62.079039	9.251469	6.963819
5.00	50.413571	-27.006517	-12.431314	20.00	-62.635009	6.188755	5.916166
5.25	52.031332	-23.990751	-11.460736	20.25	-63.010024	3.108458	4.851550
5.50	53.458823	-20.887885	-10.448524	20.50	-63.203479	0.019357	3.773021
5.75	54.689951	-17.708739	-9.398127	20.75	-63.215191	-3.069793	2.683645
6.00	55.719323	-14.464532	-8.313177	21.00	-63.045391	-6.150265	1.586505
6.25	56.542290	-11.166836	-7.197474	21.25	-62.694720	-9.213375	0.484690
6.50	57.154973	-7.827538	-6.054969	21.50	-62.164231	-12.250485	-0.618699
6.75	57.554299	-4.458786	-4.889755	21.75	-61.455385	-15.253014	-1.720560
7.00	57.738021	-1.072940	-3.706048	22.00	-60.570053	-18.212448	-2.817787
7.25	57.704747	2.317480	-2.508170	22.25	-59.510513	-21.120351	-3.907278
7.50	57.453955	5.699849	-1.300528	22.50	-58.279456	-23.968371	-4.985936
7.75	56.986011	9.061499	-0.087598	22.75	-56.879987	-26.748256	-6.050673
8.00	56.302179	12.389774	1.126097	23.00	-55.315625	-29.451861	-7.098415
8.25	55.404622	15.672098	2.336007	23.25	-53.590307	-32.071165	-8.126106
8.50	54.296408	18.896031	3.537580	23.50	-51.708394	-34.598285	-9.130710
8.75	52.981498	22.049338	4.726283	23.75	-49.674670	-37.025490	-10.109224
9.00	51.464740	25.120050	5.897625	24.00	-47.494348	-39.345219	-11.058672
9.25	49.751843	28.096530	7.047181	24.25	-45.173069	-41.550097	-11.976125
9.50	47.849363	30.967532	8.170613	24.50	-42.716911	-43.632961	-12.858695
9.75	45.764663	33.722265	9.263698	24.75	-40.132381	-45.586875	-13.703551
10.00	43.505880	36.350448	10.322344	25.00	-37.426422	-47.405156	-14.507924
10.25	41.081885	38.842369	11.342621	25.25	-34.606407	-49.081399	-15.269117
10.50	38.502229	41.188932	12.320771	25.50	-31.680139	-50.609500	-15.984511
10.75	35.777094	43.381710	13.253237	25.75	-28.655843	-51.983689	-16.651580
11.00	32.917231	45.412979	14.136673	26.00	-25.542161	-53.198550	-17.267897
11.25	29.933900	47.275759	14.967969	26.25	-22.368140	-54.249059	-17.831146
11.50	26.838804	48.963846	15.744258	26.50	-19.083222	-55.130608	-18.339137
11.75	23.644020	50.471830	16.462932	26.75	-15.757224	-55.839040	-18.789812
12.00	20.361927	51.795118	17.121652	27.00	-12.380323	-56.370674	-19.181260
12.25	17.005137	52.929940	17.718355	27.25	-8.963032	-56.722343	-19.511731
12.50	13.586427	53.873356	18.251260	27.50	-5.516172	-56.891418	-19.779643
12.75	10.118661	54.623252	18.718871	27.75	-2.050847	-56.875841	-19.983600
13.00	6.614728	55.178331	19.119976	28.00	1.421593	-56.674149	-20.122399
13.25	3.087476	55.538099	19.453652	28.25	4.889586	-56.285507	-20.195044
13.50	-0.450357	55.702845	19.719252	28.50	8.341401	-55.709724	-20.200758
13.75	-3.986195	55.673615	19.916409	28.75	11.765179	-54.947279	-20.138988
14.00	-7.507683	55.452182	20.045022	29.00	15.148982	-53.999339	-20.009422
14.25	-11.002735	55.041015	20.105251	29.25	18.480841	-52.867772	-19.811989
14.50	-14.459584	54.443242	20.097505	29.50	21.748809	-51.555161	-19.546874
14.75	-17.866815	53.662613	20.022434	29.75	24.941014	-50.064807	-19.214517
15.00	-21.213409	52.703457	19.880913	30.00	28.045717	-48.400735	-18.815622
15.25	-24.488764	51.570644	19.674033	30.25	31.051368	-46.567692	-18.351157
15.50	-27.682729	50.269544	19.403084	30.50	33.946661	-44.571137	-17.822357
15.75	-30.785620	48.805984	19.069547	30.75	36.720595	-42.417231	-17.230722

JULY

1980

DAY	X	Y	Z	DAY	X	Y	Z
1.00	39.362531	-40.112824	-16.578015	17.00	-61.732424	10.238137	7.468463
1.25	41.862248	-37.665430	-15.866261	17.25	-62.365874	7.170254	6.426366
1.50	44.209995	-35.083199	-15.097735	17.50	-62.818935	4.083046	5.366255
1.75	46.396547	-32.374894	-14.274959	17.75	-63.090887	0.985407	4.291215
2.00	48.413251	-29.549851	-13.400695	18.00	-63.181445	-2.113808	3.204343
2.25	50.252080	-26.617939	-12.477928	18.25	-63.090753	-5.205793	2.108747
2.50	51.905668	-23.589526	-11.509859	18.50	-62.819375	-8.281802	1.007537
2.75	53.367354	-20.475424	-10.499888	18.75	-62.368292	-11.333158	-0.096173
3.00	54.631222	-17.286849	-9.451605	19.00	-61.738893	-14.351265	-1.199272
3.25	55.692123	-14.035363	-8.368765	19.25	-60.932973	-17.327616	-2.298656
3.50	56.545712	-10.732830	-7.255282	19.50	-59.952728	-20.253797	-3.391230
3.75	57.188464	-7.391353	-6.115201	19.75	-58.800752	-23.121506	-4.473910
4.00	57.617697	-4.023225	-4.952687	20.00	-57.480036	-25.922550	-5.543629
4.25	57.831582	-0.640869	-3.772002	20.25	-55.993967	-28.648863	-6.597339
4.50	57.829154	2.743217	-2.577488	20.50	-54.346325	-31.292513	-7.632013
4.75	57.610317	6.116519	-1.373545	20.75	-52.541287	-33.845708	-8.644651
5.00	57.175840	9.466560	-0.164614	21.00	-50.583428	-36.300815	-9.632283
5.25	56.527359	12.780962	1.044848	21.25	-48.477719	-38.650365	-10.591970
5.50	55.667362	16.047497	2.250382	21.50	-46.229535	-40.887072	-11.520815
5.75	54.599180	19.254143	3.447552	21.75	-43.844649	-43.003841	-12.415962
6.00	53.326967	22.389139	4.631962	22.00	-41.329244	-44.993790	-13.274603
6.25	51.855681	25.441034	5.799277	22.25	-38.689907	-46.850266	-14.093987
6.50	50.191058	28.398739	6.945243	22.50	-35.933635	-48.566862	-14.871422
6.75	48.339583	31.251575	8.065700	22.75	-33.067834	-50.137439	-15.604288
7.00	46.308456	33.989315	9.156608	23.00	-30.100320	-51.556151	-16.290036
7.25	44.105560	36.602234	10.214059	23.25	-27.039318	-52.817465	-16.926208
7.50	41.739419	39.081142	11.234296	23.50	-23.893458	-53.916190	-17.510436
7.75	39.219156	41.417427	12.213726	23.75	-20.671770	-54.847506	-18.040461
8.00	36.554449	43.603086	13.148939	24.00	-17.383677	-55.606990	-18.514135
8.25	33.755482	45.630757	14.036717	24.25	-14.038984	-56.190649	-18.929440
8.50	30.832899	47.493748	14.874053	24.50	-10.647868	-56.594951	-19.284496
8.75	27.797746	49.186057	15.658154	24.75	-7.220858	-56.816859	-19.577576
9.00	24.661422	50.702394	16.386458	25.00	-3.768814	-56.853863	-19.807115
9.25	21.435624	52.038194	17.056641	25.25	-0.302906	-56.704016	-19.971729
9.50	18.132287	53.189633	17.666623	25.50	3.165415	-56.365964	-20.070223
9.75	14.763533	54.153630	18.214574	25.75	6.624456	-55.838981	-20.101608
10.00	11.341613	54.927850	18.698920	26.00	10.062311	-55.123002	-20.065115
10.25	7.878849	55.510707	19.118346	26.25	13.466913	-54.218645	-19.960206
10.50	4.387580	55.901352	19.471792	26.50	16.826074	-53.127247	-19.786586
10.75	0.880109	56.099668	19.758463	26.75	20.127542	-51.850882	-19.544215
11.00	-2.631352	56.106251	19.977817	27.00	23.359054	-50.392380	-19.233321
11.25	-6.134730	55.922398	20.129567	27.25	26.508401	-48.755344	-18.854405
11.50	-9.618140	55.550083	20.213678	27.50	29.563484	-46.944161	-18.408252
11.75	-13.069930	54.991931	20.230356	27.75	32.512389	-44.964000	-17.895933
12.00	-16.478725	54.251195	20.180047	28.00	35.343452	-42.820817	-17.318812
12.25	-19.833463	53.331721	20.063422	28.25	38.045328	-40.521342	-16.678545
12.50	-23.123434	52.237923	19.881376	28.50	40.607065	-38.073065	-15.977080
12.75	-26.338306	50.974744	19.635013	28.75	43.018171	-35.484210	-15.216654
13.00	-29.468163	49.547625	19.325636	29.00	45.268686	-32.763710	-14.399783
13.25	-32.503520	47.962467	18.954737	29.25	47.349246	-29.921166	-13.529260
13.50	-35.435351	46.225596	18.523988	29.50	49.251148	-26.966806	-12.608137
13.75	-38.255100	44.343729	18.035224	29.75	50.966408	-23.911436	-11.639715
14.00	-40.954702	42.323934	17.490435	30.00	52.487813	-20.766381	-10.627528
14.25	-43.526589	40.173597	16.891754	30.25	53.808973	-17.543429	-9.575323
14.50	-45.963696	37.900390	16.241444	30.50	54.924359	-14.254764	-8.487041
14.75	-48.259472	35.512232	15.541888	30.75	55.829336	-10.912901	-7.366795
15.00	-50.407878	33.017262	14.795578	31.00	56.520196	-7.530613	-6.218849
15.25	-52.403386	30.423805	14.005101	31.25	56.994172	-4.120859	-5.047588
15.50	-54.240979	27.740347	13.173133	31.50	57.249450	-0.696715	-3.857503
15.75	-55.916147	24.975501	12.302427	31.75	57.285178	2.728704	-2.653155
16.00	-57.424880	22.137990	11.395805				
16.25	-58.763664	19.236617	10.456144				
16.50	-59.929471	16.280245	9.486378				
16.75	-60.919751	13.277777	8.489481				

AUGUST 1980

DAY	X	Y	Z	DAY	X	Y	Z
1.00	57.101458	6.142311	-1.439159	17.00	-53.310544	-33.276817	-8.350069
1.25	56.699340	9.531115	-0.220150	17.25	-51.425115	-35.765924	-9.345935
1.50	56.080804	12.882296	0.999231	17.50	-49.392793	-38.151675	-10.314692
1.75	55.248736	16.183261	2.214372	17.75	-47.218794	-40.426914	-11.253491
2.00	54.206904	19.421709	3.420706	18.00	-44.908700	-42.584687	-12.159527
2.25	52.959924	22.585687	4.613735	18.25	-42.468466	-44.618255	-13.030050
2.50	51.513220	25.663644	5.789052	18.50	-39.904410	-46.521108	-13.862365
2.75	49.872989	28.644476	6.942357	18.75	-37.223222	-48.286976	-14.653841
3.00	48.046154	31.517573	8.069482	19.00	-34.431956	-49.909844	-15.401912
3.25	46.040316	34.272859	9.166400	19.25	-31.538035	-51.383972	-16.104084
3.50	43.863714	36.900826	10.229247	19.50	-28.549250	-52.703905	-16.757942
3.75	41.525164	39.392562	11.254329	19.75	-25.473757	-53.864501	-17.361158
4.00	39.034020	41.739783	12.238143	20.00	-22.320076	-54.860945	-17.911495
4.25	36.400114	43.934851	13.177379	20.25	-19.097089	-55.688775	-18.406817
4.50	33.633711	45.970792	14.068938	20.50	-15.814036	-56.343906	-18.845099
4.75	30.745454	47.841315	14.909934	20.75	-12.480506	-56.822653	-19.224437
5.00	27.746312	49.540818	15.697703	21.00	-9.106435	-57.121765	-19.543053
5.25	24.647534	51.064400	16.429813	21.25	-5.702087	-57.238447	-19.799312
5.50	21.460595	52.407860	17.104060	21.50	-2.278048	-57.170397	-19.991732
5.75	18.197147	53.567705	17.718482	21.75	1.154796	-56.915832	-20.118994
6.00	14.868975	54.541142	18.271351	22.00	4.585276	-56.473527	-20.179958
6.25	11.487943	55.326079	18.761184	22.25	8.001968	-55.842843	-20.173674
6.50	8.065957	55.921114	19.186737	22.50	11.393222	-55.023762	-20.099398
6.75	4.614910	56.325529	19.547006	22.75	14.747194	-54.016922	-19.956603
7.00	1.146650	56.539276	19.841228	23.00	18.051888	-52.823644	-19.744995
7.25	-2.327071	56.562963	20.068875	23.25	21.295199	-51.445968	-19.464524
7.50	-5.794632	56.397842	20.229654	23.50	24.464966	-49.886674	-19.115400
7.75	-9.244580	56.045785	20.323503	23.75	27.549022	-48.149314	-18.698102
8.00	-12.665672	55.509271	20.350584	24.00	30.535262	-46.238225	-18.213391
8.25	-16.046904	54.791356	20.311278	24.25	33.411701	-44.158547	-17.662320
8.50	-19.377548	53.895661	20.206183	24.50	36.166554	-41.916234	-17.046239
8.75	-22.647178	52.826336	20.036101	24.75	38.788299	-39.518055	-16.366804
9.00	-25.845703	51.588044	19.802037	25.00	41.265762	-36.971589	-15.625978
9.25	-28.963390	50.185928	19.505186	25.25	43.588194	-34.285215	-14.826031
9.50	-31.990889	48.625585	19.146929	25.50	45.745351	-31.468087	-13.969542
9.75	-34.919255	46.913040	18.728820	25.75	47.727573	-28.530109	-13.059389
10.00	-37.739966	45.054710	18.252581	26.00	49.525864	-25.481891	-12.098742
10.25	-40.444942	43.057383	17.720090	26.25	51.131966	-22.334706	-11.091049
10.50	-43.026557	40.928182	17.133372	26.50	52.538432	-19.100429	-10.040027
10.75	-45.477653	38.674537	16.494592	26.75	53.738687	-15.791478	-8.949633
11.00	-47.791550	36.304157	15.806040	27.00	54.727092	-12.420736	-7.824053
11.25	-49.962054	33.824996	15.070125	27.25	55.498988	-9.001477	-6.667670
11.50	-51.983459	31.245231	14.289364	27.50	56.050740	-5.547281	-5.485042
11.75	-53.850556	28.573225	13.466373	27.75	56.379767	-2.071946	-4.280868
12.00	-55.558634	25.817509	12.603855	28.00	56.484563	1.410602	-3.059962
12.25	-57.103476	22.986745	11.704595	28.25	56.364701	4.886397	-1.827221
12.50	-58.481361	20.089712	10.771447	28.50	56.020839	8.341531	-0.587591
12.75	-59.689060	17.135269	9.807325	28.75	55.454704	11.762234	0.653967
13.00	-60.723832	14.132343	8.815199	29.00	54.669067	15.134971	1.892502
13.25	-61.583419	11.089899	7.798082	29.25	53.667717	18.446512	3.123111
13.50	-62.266036	8.016922	6.759024	29.50	52.455417	21.684019	4.340965
13.75	-62.770372	4.922400	5.701105	29.75	51.037857	24.835109	5.541337
14.00	-63.095574	1.815299	4.627430	30.00	49.421601	27.887923	6.719629
14.25	-63.241245	-1.295447	3.541118	30.25	47.614027	30.831178	7.871395
14.50	-63.207430	-4.400956	2.445299	30.50	45.623263	33.654219	8.992363
14.75	-62.994615	-7.492411	1.343108	30.75	43.458121	36.347060	10.078450
15.00	-62.603713	-10.561074	0.237680	31.00	41.128032	38.900417	11.125786
15.25	-62.036058	-13.598299	-0.867858	31.25	38.642974	41.305733	12.130719
15.50	-61.293398	-16.595545	-1.970387	31.50	36.013404	43.555203	13.089834
15.75	-60.377885	-19.544384	-3.066802	31.75	33.250192	45.641780	13.999954
16.00	-59.292073	-22.436513	-4.154019				
16.25	-58.038909	-25.263766	-5.228975				
16.50	-56.621725	-28.018119	-6.288635				
16.75	-55.044238	-30.691705	-7.329990				

SEPTEMBER 1980

DAY	X	Y	Z	DAY	X	Y	Z
1.00	30.364553	47.559191	14.858155	16.00	-26.494610	-54.038119	-17.470576
1.25	27.367987	49.301929	15.661765	16.25	-23.399994	-55.094311	-18.039337
1.50	24.272212	50.865260	16.408370	16.50	-20.236373	-55.985829	-18.554166
1.75	21.089111	52.245209	17.095814	16.75	-17.012564	-56.708736	-19.013109
2.00	17.830675	53.438554	17.722197	17.00	-13.737686	-57.259467	-19.414318
2.25	14.508950	54.442809	18.285877	17.25	-10.421150	-57.634851	-19.756069
2.50	11.135990	55.256207	18.785465	17.50	-7.072647	-57.832129	-20.036766
2.75	7.723811	55.877687	19.219823	17.75	-3.702146	-57.848977	-20.254950
3.00	4.284351	56.306868	19.588059	18.00	-0.319877	-57.683531	-20.409305
3.25	0.829426	56.544030	19.889518	18.25	3.063679	-57.334410	-20.498674
3.50	-2.629300	56.590090	20.123784	18.50	6.437808	-56.800742	-20.522064
3.75	-6.080355	56.446580	20.290667	18.75	9.791578	-56.082192	-20.478658
4.00	-9.512482	56.115623	20.390200	19.00	13.113866	-55.178991	-20.367829
4.25	-12.914674	55.599906	20.422632	19.25	16.393377	-54.091961	-20.189147
4.50	-16.276197	54.902658	20.388418	19.50	19.618681	-52.822544	-19.942394
4.75	-19.586612	54.027624	20.288216	19.75	22.778238	-51.372835	-19.627577
5.00	-22.835802	52.979038	20.122877	20.00	25.860446	-49.745602	-19.244938
5.25	-26.013987	51.761603	19.893438	20.25	28.853677	-47.944318	-18.794966
5.50	-29.111747	50.380460	19.601112	20.50	31.746329	-45.973181	-18.278411
5.75	-32.120034	48.841167	19.247287	20.75	34.526880	-43.837136	-17.696291
6.00	-35.030191	47.149672	18.833509	21.00	37.183947	-41.541895	-17.049907
6.25	-37.833965	45.312289	18.361483	21.25	39.706348	-39.093946	-16.340846
6.50	-40.523519	43.335673	17.833058	21.50	42.083174	-36.500560	-15.570994
6.75	-43.091443	41.226797	17.250224	21.75	44.303860	-33.769796	-14.742535
7.00	-45.530764	38.992924	16.615101	22.00	46.358264	-30.910492	-13.857957
7.25	-47.834956	36.641587	15.929931	22.25	48.236744	-27.932252	-12.920053
7.50	-49.997945	34.180559	15.197074	22.50	49.930240	-24.845420	-11.931915
7.75	-52.014120	31.617835	14.418994	22.75	51.430356	-21.661051	-10.896932
8.00	-53.878330	28.961607	13.598256	23.00	52.729439	-18.390871	-9.818775
8.25	-55.585897	26.220237	12.737515	23.25	53.820659	-15.047218	-8.701386
8.50	-57.132613	23.402237	11.839508	23.50	54.698081	-11.642990	-7.548962
8.75	-58.514741	20.516246	10.907049	23.75	55.356734	-8.191564	-6.365936
9.00	-59.729023	17.571006	9.943017	24.00	55.792670	-4.706725	-5.156945
9.25	-60.772670	14.575342	8.950353	24.25	56.003016	-1.202577	-3.926810
9.50	-61.643367	11.538139	7.932048	24.50	55.986014	2.306556	-2.680503
9.75	-62.339269	8.468323	6.891137	24.75	55.741055	5.806222	-1.423113
10.00	-62.858996	5.374837	5.830692	25.00	55.268688	9.281948	-0.159810
10.25	-63.201633	2.266626	4.753816	25.25	54.570630	12.719341	1.104189
10.50	-63.366720	-0.847385	3.663633	25.50	53.649756	16.104192	2.363658
10.75	-63.354249	-3.958307	2.563284	25.75	52.510074	19.422577	3.613402
11.00	-63.164659	-7.057309	1.455918	26.00	51.156693	22.660959	4.848292
11.25	-62.798829	-10.135628	0.344689	26.25	49.595775	25.806273	6.063296
11.50	-62.258068	-13.184591	-0.767254	26.50	47.834477	28.846016	7.253524
11.75	-61.544111	-16.195628	-1.876770	26.75	45.880887	31.768318	8.414246
12.00	-60.659110	-19.160284	-2.980734	27.00	43.743946	34.562015	9.540932
12.25	-59.605626	-22.070237	-4.076038	27.25	41.433372	37.216705	10.629268
12.50	-58.386623	-24.917309	-5.159602	27.50	38.959572	39.722790	11.675187
12.75	-57.005457	-27.693479	-6.228373	27.75	36.333555	42.071519	12.674878
13.00	-55.465873	-30.390893	-7.279337	28.00	33.566847	44.255010	13.624810
13.25	-53.771993	-33.001882	-8.309516	28.25	30.671399	46.266267	14.521736
13.50	-51.928312	-35.518964	-9.315977	28.50	27.659503	48.099189	15.362708
13.75	-49.939691	-37.934862	-10.295834	28.75	24.543708	49.748568	16.145074
14.00	-47.811347	-40.242511	-11.246254	29.00	21.336740	51.210078	16.866488
14.25	-45.548852	-42.435072	-12.164462	29.25	18.051430	52.480265	17.524902
14.50	-43.158123	-44.505940	-13.047741	29.50	14.700641	53.556518	18.118569
14.75	-40.645419	-46.448755	-13.893440	29.75	11.297205	54.437052	18.646034
15.00	-38.017336	-48.257416	-14.698979	30.00	7.853867	55.120874	19.106131
15.25	-35.280799	-49.926086	-15.461850	30.25	4.383226	55.607751	19.497971
15.50	-32.443062	-51.449215	-16.179622	30.50	0.897696	55.898176	19.820935
15.75	-29.511701	-52.821543	-16.849950	30.75	-2.590543	55.993332	20.074664

OCTOBER 1980

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-6.069577	55.895058	20.259047	17.00	22.097799	-52.534384	-20.234532
1.25	-9.527792	55.605810	20.374215	17.25	25.164348	-51.008495	-19.883830
1.50	-12.953902	55.128625	20.420522	17.50	28.147025	-49.312492	-19.466812
1.75	-16.336972	54.467087	20.398541	17.75	31.034973	-47.450087	-18.984100
2.00	-19.666433	53.625289	20.309049	18.00	33.817396	-45.425635	-18.436548
2.25	-22.932110	52.607803	20.153017	18.25	36.483595	-43.244144	-17.825252
2.50	-26.124223	51.419647	19.931600	18.50	39.023017	-40.911294	-17.151557
2.75	-29.233408	50.066249	19.646126	18.75	41.425303	-38.433445	-16.417067
3.00	-32.250720	48.553425	19.298088	19.00	43.680343	-35.817650	-15.623646
3.25	-35.167647	46.887345	18.889131	19.25	45.778329	-33.071655	-14.773431
3.50	-37.976110	45.074508	18.421045	19.50	47.709823	-30.203901	-13.868830
3.75	-40.668470	43.121716	17.895758	19.75	49.465814	-27.223521	-12.912528
4.00	-43.237534	41.036050	17.315322	20.00	51.037792	-24.140325	-11.907484
4.25	-45.676554	38.824844	16.681913	20.25	52.417813	-20.964786	-10.856933
4.50	-47.979233	36.495668	15.997815	20.50	53.598575	-17.708012	-9.764379
4.75	-50.139725	34.056300	15.265416	20.75	54.573485	-14.381711	-8.633589
5.00	-52.152635	31.514709	14.487205	21.00	55.336732	-10.998154	-7.468580
5.25	-54.013022	28.879036	13.665758	21.25	55.883360	-7.570117	-6.273610
5.50	-55.716399	26.157571	12.803733	21.50	56.209325	-4.110830	-5.053157
5.75	-57.258732	23.358737	11.903867	21.75	56.311567	-0.633899	-3.811899
6.00	-58.636443	20.491071	10.968966	22.00	56.188055	2.846763	-2.554691
6.25	-59.846406	17.563204	10.001900	22.25	55.837838	6.317023	-1.286536
6.50	-60.885948	14.583849	9.005595	22.50	55.261081	9.762623	-0.012558
6.75	-61.752850	11.561773	7.983029	22.75	54.459095	13.169272	1.262035
7.00	-62.445342	8.505791	6.937226	23.00	53.434343	16.522749	2.531984
7.25	-62.962106	5.424742	5.871245	23.25	52.190448	19.809006	3.792015
7.50	-63.302270	2.327473	4.788181	23.50	50.732181	23.014274	5.036880
7.75	-63.465407	-0.777177	3.691153	23.75	49.065436	26.125160	6.261394
8.00	-63.451537	-3.880394	2.583302	24.00	47.197187	29.128754	7.460472
8.25	-63.261114	-6.973406	1.467780	24.25	45.135444	32.012715	8.629166
8.50	-62.895033	-10.047499	0.347749	24.50	42.889183	34.765367	9.762705
8.75	-62.354619	-13.094035	-0.773627	24.75	40.468281	37.375767	10.856521
9.00	-61.641623	-16.104465	-1.893189	25.00	37.883425	39.833785	11.906283
9.25	-60.758222	-19.070348	-3.007789	25.25	35.146028	42.130156	12.907925
9.50	-59.707007	-21.983367	-4.114294	25.50	32.268134	44.256528	13.857665
9.75	-58.490980	-24.835341	-5.209595	25.75	29.262314	46.205496	14.752026
10.00	-57.113549	-27.618243	-6.290609	26.00	26.141575	47.970629	15.587854
10.25	-55.578519	-30.324217	-7.354288	26.25	22.919252	49.546477	16.362323
10.50	-53.890081	-32.945587	-8.397623	26.50	19.608915	50.928575	17.072946
10.75	-52.052814	-35.474876	-9.417651	26.75	16.224272	52.113435	17.717573
11.00	-50.071668	-37.904817	-10.411459	27.00	12.779083	53.098524	18.294400
11.25	-47.951960	-40.228370	-11.376190	27.25	9.287072	53.882243	18.801952
11.50	-45.699363	-42.438733	-12.309048	27.50	5.761855	54.463887	19.239088
11.75	-43.319900	-44.529356	-13.207306	27.75	2.216865	54.843615	19.604986
12.00	-40.819932	-46.493954	-14.068306	28.00	-1.334705	55.022403	19.899130
12.25	-38.206152	-48.326519	-14.889469	28.25	-4.879963	55.001999	20.121304
12.50	-35.485573	-50.021333	-15.668299	28.50	-8.406360	54.784874	20.271571
12.75	-32.665518	-51.572983	-16.402386	28.75	-11.901735	54.374176	20.350264
13.00	-29.753613	-52.976370	-17.089412	29.00	-15.354347	53.773680	20.357964
13.25	-26.757778	-54.226723	-17.727160	29.25	-18.752899	52.987738	20.295494
13.50	-23.686212	-55.319611	-18.313511	29.50	-22.086568	52.021233	20.163892
13.75	-20.547387	-56.250959	-18.846460	29.75	-25.345013	50.879534	19.964406
14.00	-17.350038	-57.017057	-19.324110	30.00	-28.518391	49.568452	19.698472
14.25	-14.103150	-57.614575	-19.744688	30.25	-31.597367	48.094194	19.367703
14.50	-10.815948	-58.040579	-20.106543	30.50	-34.573113	46.463331	18.973877
14.75	-7.497887	-58.292542	-20.408157	30.75	-37.437317	44.682757	18.518917
15.00	-4.158636	-58.368363	-20.648148	31.00	-40.182175	42.759655	18.004887
15.25	-0.808069	-58.266379	-20.825278	31.25	-42.800394	40.701465	17.433976
15.50	2.543751	-57.985382	-20.938459	31.50	-45.285186	38.515857	16.808488
15.75	5.886588	-57.524640	-20.986761	31.75	-47.630264	36.210702	16.130832
16.00	9.210047	-56.883907	-20.969419				
16.25	12.503596	-56.063449	-20.885841				
16.50	15.756581	-55.064056	-20.735616				
16.75	18.958256	-53.887067	-20.518521				

NOVEMBER 1980

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-49.829834	33.794049	15.403513	16.00	49.805761	-28.449992	-13.657262
1.25	-51.878591	31.274098	14.629123	16.25	51.419428	-25.463298	-12.683147
1.50	-53.771712	28.659184	13.810336	16.50	52.848568	-22.384792	-11.663320
1.75	-55.504849	25.957755	12.949895	16.75	54.086241	-19.224591	-10.600963
2.00	-57.074123	23.178355	12.050609	17.00	55.126099	-15.993333	-9.499489
2.25	-58.476118	20.329604	11.115349	17.25	55.962438	-12.702149	-8.362535
2.50	-59.707875	17.420187	10.147035	17.50	56.590251	-9.362635	-7.193951
2.75	-60.766885	14.458837	9.148636	17.75	57.005282	-5.986811	-5.997793
3.00	-61.651089	11.454319	8.123164	18.00	57.204082	-2.587077	-4.778312
3.25	-62.358865	8.415419	7.073666	18.25	57.184051	0.823832	-3.539935
3.50	-62.889032	5.350931	6.003223	18.50	56.943492	4.232911	-2.287250
3.75	-63.240844	2.269640	4.914941	18.75	56.481651	7.626940	-1.024990
4.00	-63.413982	-0.819685	3.811950	19.00	55.798752	10.992556	0.241998
4.25	-63.408559	-3.908309	2.697396	19.25	54.896032	14.316330	1.508769
4.50	-63.225108	-6.987540	1.574437	19.50	53.775763	17.584842	2.770313
4.75	-62.864589	-10.048746	0.446242	19.75	52.441267	20.784769	4.021583
5.00	-62.328378	-13.083364	-0.684019	20.00	50.896918	23.902970	5.257523
5.25	-61.618269	-16.082918	-1.813180	20.25	49.148146	26.926576	6.473106
5.50	-60.736472	-19.039028	-2.938079	20.50	47.201412	29.843080	7.663364
5.75	-59.685604	-21.943428	-4.055568	20.75	45.064187	32.640427	8.823424
6.00	-58.468695	-24.787980	-5.162517	21.00	42.744912	35.307099	9.948539
6.25	-57.089177	-27.564686	-6.255819	21.25	40.252952	37.832198	11.034125
6.50	-55.550883	-30.265706	-7.332397	21.50	37.598530	40.205527	12.075792
6.75	-53.858041	-32.883373	-8.389207	21.75	34.792667	42.417659	13.069374
7.00	-52.015274	-35.410207	-9.423248	22.00	31.847096	44.459997	14.010957
7.25	-50.027586	-37.838932	-10.431565	22.25	28.774184	46.324832	14.896904
7.50	-47.900362	-40.162492	-11.411256	22.50	25.586834	48.005383	15.723877
7.75	-45.639360	-42.374068	-12.359479	22.75	22.298397	49.495832	16.488856
8.00	-43.250701	-44.467091	-13.273457	23.00	18.922569	50.791346	17.189153
8.25	-40.740860	-46.435262	-14.150485	23.25	15.473296	51.888084	17.822423
8.50	-38.116660	-48.272567	-14.987938	23.50	11.964674	52.783203	18.386672
8.75	-35.385259	-49.973292	-15.783276	23.75	8.410859	53.474843	18.880255
9.00	-32.554136	-51.532039	-16.534049	24.00	4.825971	53.962109	19.301881
9.25	-29.631088	-52.943744	-17.237906	24.25	1.224011	54.245044	19.650605
9.50	-26.624205	-54.203688	-17.892602	24.50	-2.381220	54.324594	19.925822
9.75	-23.541865	-55.307517	-18.496000	24.75	-5.976191	54.202562	20.127257
10.00	-20.392719	-56.251254	-19.046084	25.00	-9.547707	53.881567	20.254952
10.25	-17.185669	-57.031316	-19.540960	25.25	-13.082969	53.364988	20.309252
10.50	-13.929860	-57.644524	-19.978863	25.50	-16.569619	52.656916	20.290786
10.75	-10.634657	-58.088121	-20.358164	25.75	-19.995782	51.762092	20.200458
11.00	-7.309632	-58.359782	-20.677378	26.00	-23.350104	50.685860	20.039417
11.25	-3.964540	-58.457630	-20.935167	26.25	-26.621774	49.434105	19.809052
11.50	-0.609306	-58.380249	-21.130348	26.50	-29.800546	48.013200	19.510964
11.75	2.745999	-58.126692	-21.261895	26.75	-32.876753	46.429959	19.146953
12.00	6.091177	-57.696496	-21.328951	27.00	-35.841317	44.691578	18.718999
12.25	9.415925	-57.089695	-21.330828	27.25	-38.685750	42.805594	18.229243
12.50	12.709861	-56.306828	-21.267017	27.50	-41.402157	40.779838	17.679975
12.75	15.962541	-55.348952	-21.137188	27.75	-43.983229	38.622396	17.073617
13.00	19.163489	-54.217652	-20.941203	28.00	-46.422240	36.341565	16.412707
13.25	22.302223	-52.915051	-20.679114	28.25	-48.713035	33.945823	15.699888
13.50	25.368277	-51.443816	-20.351175	28.50	-50.850023	31.443794	14.937894
13.75	28.351236	-49.807174	-19.957841	28.75	-52.828161	28.844222	14.129541
14.00	31.240763	-48.008913	-19.499778	29.00	-54.642945	26.155940	13.277713
14.25	34.026630	-46.053394	-18.977863	29.25	-56.290396	23.387850	12.385355
14.50	36.698754	-43.945554	-18.393193	29.50	-57.767044	20.548903	11.455466
14.75	39.247232	-41.690915	-17.747089	29.75	-59.069920	17.648076	10.491089
15.00	41.662376	-39.295582	-17.041096	30.00	-60.196539	14.694356	9.495304
15.25	43.934757	-36.766249	-16.276990	30.25	-61.144893	11.696728	8.471222
15.50	46.055243	-34.110199	-15.456781	30.50	-61.913431	8.664159	7.421981
15.75	48.015044	-31.335298	-14.582712	30.75	-62.501059	5.605586	6.350739

DECEMBER 1980

DAY	X	Y	Z	DAY	X	Y	Z
1.00	-62.907122	2.529904	5.260668	17.00	53.861255	20.030526	3.450632
1.25	-63.131400	-0.554045	4.154956	17.25	52.420148	23.113946	4.677659
1.50	-63.174098	-3.637479	3.036794	17.50	50.777976	26.110100	5.887362
1.75	-63.035839	-6.711687	1.909379	17.75	48.940235	29.007222	7.075070
2.00	-62.717660	-9.768042	0.775906	18.00	46.913313	31.793880	8.236168
2.25	-62.221003	-12.798004	-0.360432	18.25	44.704472	34.459038	9.366123
2.50	-61.547717	-15.793133	-1.496450	18.50	42.321817	36.992130	10.460511
2.75	-60.700046	-18.745097	-2.628975	18.75	39.774269	39.383123	11.515042
3.00	-59.680633	-21.645684	-3.754848	19.00	37.071523	41.622578	12.525589
3.25	-58.492513	-24.486811	-4.870929	19.25	34.223999	43.701716	13.488209
3.50	-57.139111	-27.260536	-5.974101	19.50	31.242786	45.612471	14.399172
3.75	-55.624243	-29.959065	-7.061274	19.75	28.139583	47.347544	15.254981
4.00	-53.952109	-32.574773	-8.129392	20.00	24.926632	48.900444	16.052397
4.25	-52.127293	-35.100208	-9.175432	20.25	21.616638	50.265532	16.788452
4.50	-50.154764	-37.528112	-10.196415	20.50	18.222702	51.438047	17.460473
4.75	-48.039865	-39.851430	-11.189410	20.75	14.758231	52.414133	18.066090
5.00	-45.788318	-42.063329	-12.151538	21.00	11.236860	53.190854	18.603254
5.25	-43.406214	-44.157214	-13.079978	21.25	7.672367	53.766196	19.070238
5.50	-40.900012	-46.126740	-13.971978	21.50	4.078586	54.139072	19.465651
5.75	-38.276529	-47.965838	-14.824855	21.75	0.469332	54.309305	19.788430
6.00	-35.542939	-49.668724	-15.636007	22.00	-3.141687	54.277615	20.037849
6.25	-32.706756	-51.229924	-16.402919	22.25	-6.740943	54.045591	20.213510
6.50	-29.775836	-52.644289	-17.123169	22.50	-10.315157	53.615659	20.315335
6.75	-26.758354	-53.907017	-17.794437	22.75	-13.851372	52.991047	20.343562
7.00	-23.662801	-55.013668	-18.414513	23.00	-17.337006	52.175737	20.298731
7.25	-20.497965	-55.960189	-18.981305	23.25	-20.759913	51.174421	20.181671
7.50	-17.272915	-56.742928	-19.492846	23.50	-24.108426	49.992451	19.993483
7.75	-13.996988	-57.358654	-19.947303	23.75	-27.371398	48.635787	19.735529
8.00	-10.679764	-57.804578	-20.342983	24.00	-30.538240	47.110940	19.409409
8.25	-7.331049	-58.078365	-20.678346	24.25	-33.598941	45.424920	19.016949
8.50	-3.960853	-58.178158	-20.952006	24.50	-36.544095	43.585185	18.560179
8.75	-0.579363	-58.102587	-21.162742	24.75	-39.364912	41.599582	18.041315
9.00	2.803079	-57.850788	-21.309507	25.00	-42.053229	39.476300	17.462744
9.25	6.176008	-57.422418	-21.391432	25.25	-44.601513	37.223821	16.827001
9.50	9.528859	-56.817661	-21.407833	25.50	-47.002860	34.850871	16.136761
9.75	12.851002	-56.037246	-21.358218	25.75	-49.250993	32.366380	15.394811
10.00	16.131770	-55.082453	-21.242290	26.00	-51.340251	29.779435	14.604046
10.25	19.360490	-53.955121	-21.059960	26.25	-53.265582	27.099249	13.767447
10.50	22.526522	-52.657653	-20.811339	26.50	-55.022528	24.335122	12.888070
10.75	25.619288	-51.193026	-20.496755	26.75	-56.607211	21.496414	11.969035
11.00	28.628309	-49.564785	-20.116747	27.00	-58.016319	18.592510	11.013512
11.25	31.543240	-47.777051	-19.672072	27.25	-59.247088	15.632802	10.024714
11.50	34.353909	-45.834517	-19.163710	27.50	-60.297285	12.626663	9.005883
11.75	37.050351	-43.742444	-18.592857	27.75	-61.165193	9.583426	7.960286
12.00	39.622847	-41.506658	-17.960936	28.00	-61.849594	6.512370	6.891205
12.25	42.061960	-39.133541	-17.269588	28.25	-62.349750	3.422702	5.801932
12.50	44.358576	-36.630024	-16.520678	28.50	-62.665393	0.323542	4.695761
12.75	46.503940	-34.003571	-15.716293	28.75	-62.796705	-2.776083	3.575984
13.00	48.489695	-31.262174	-14.858735	29.00	-62.744309	-5.867256	2.445887
13.25	50.307921	-28.414328	-13.950523	29.25	-62.509254	-8.941176	1.308742
13.50	51.951172	-25.469019	-12.994388	29.50	-62.093003	-11.989164	0.167810
13.75	53.412515	-22.435700	-11.993265	29.75	-61.497427	-15.002677	-0.973670
14.00	54.685569	-19.324272	-10.950295	30.00	-60.724790	-17.973309	-2.112478
14.25	55.764541	-16.145053	-9.868809	30.25	-59.777748	-20.892801	-3.245421
14.50	56.644264	-12.908752	-8.752327	30.50	-58.659335	-23.753048	-4.369333
14.75	57.320231	-9.626441	-7.604549	30.75	-57.372964	-26.546103	-5.481076
15.00	57.788633	-6.309512	-6.429338	31.00	-55.922417	-29.264188	-6.577549
15.25	58.046392	-2.969647	-5.230720	31.25	-54.311846	-31.899702	-7.655687
15.50	58.091192	0.381225	-4.012859	31.50	-52.545765	-34.445223	-8.712463
15.75	57.921509	3.730976	-2.780055	31.75	-50.629049	-36.893526	-9.744895
16.00	57.536641	7.067321	-1.536720				
16.25	56.936730	10.377873	-0.287364				
16.50	56.122785	13.650198	0.963421				
16.75	55.096697	16.871868	2.210983				